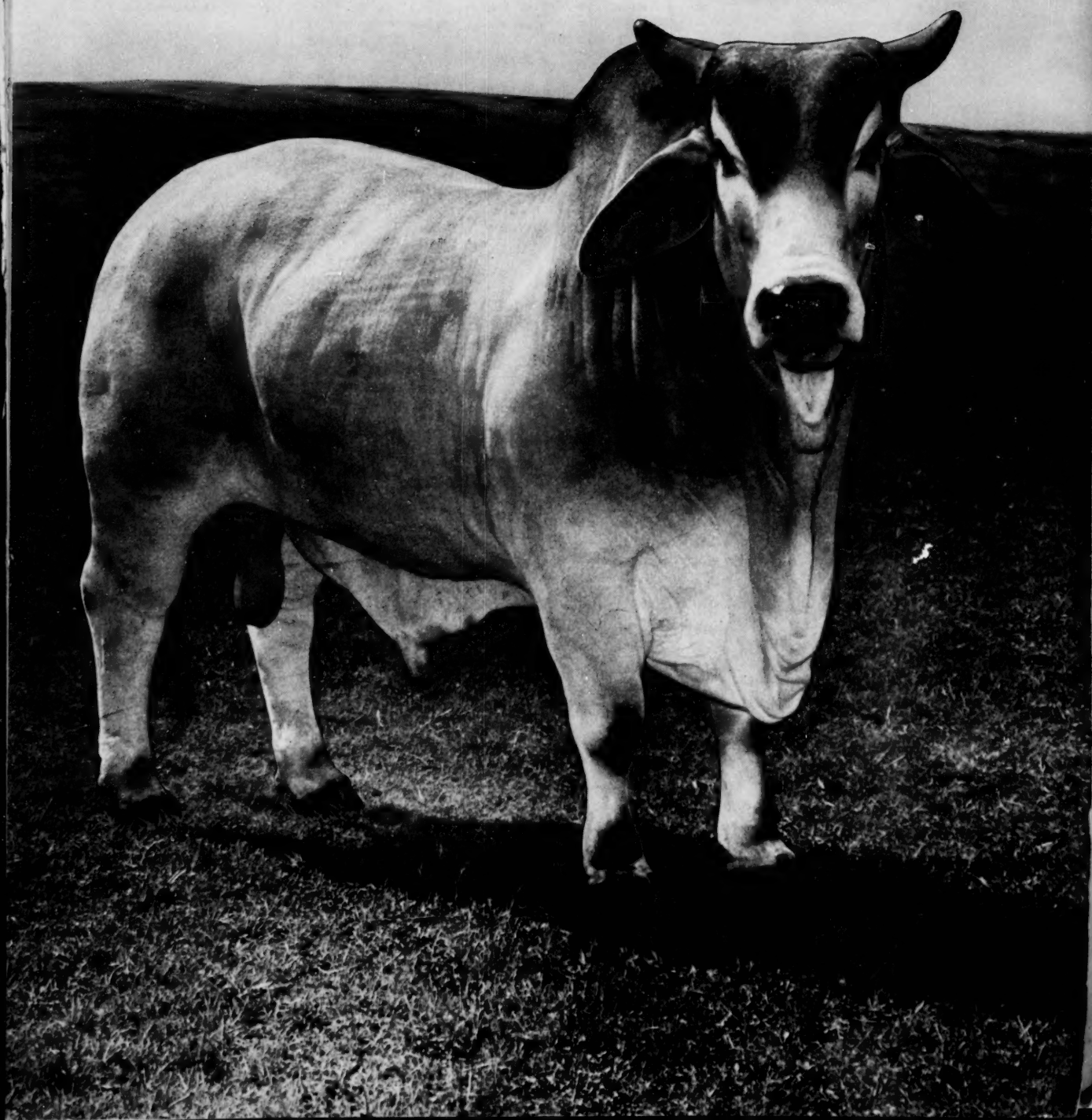


The Cattleman

Fort Worth, Texas, May, 1955

VOLUME XLI - - No. 12



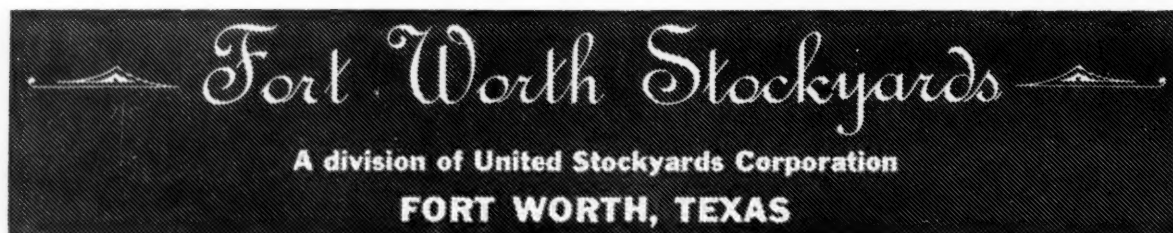
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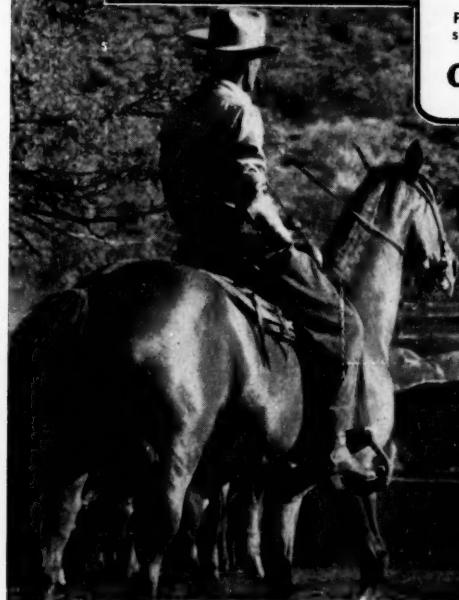
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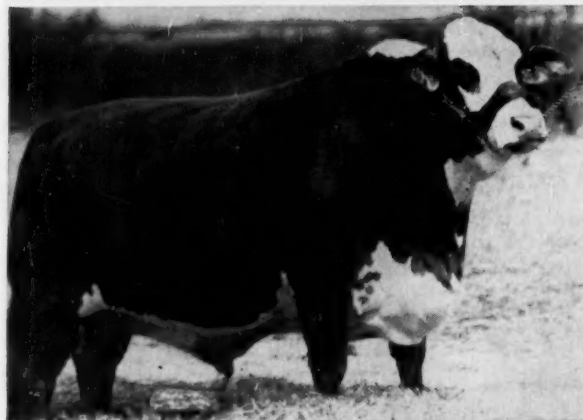
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The Cattleman

Vol. XLI

MAY, 1955

No. 12

Published on the first day of each month by The Texas and Southwestern Cattle Raisers Association, Inc., 410 East Weatherford St., Fort Worth 2, Texas. Telephone FAnnin-6167. Western Union Call Letters FKT.

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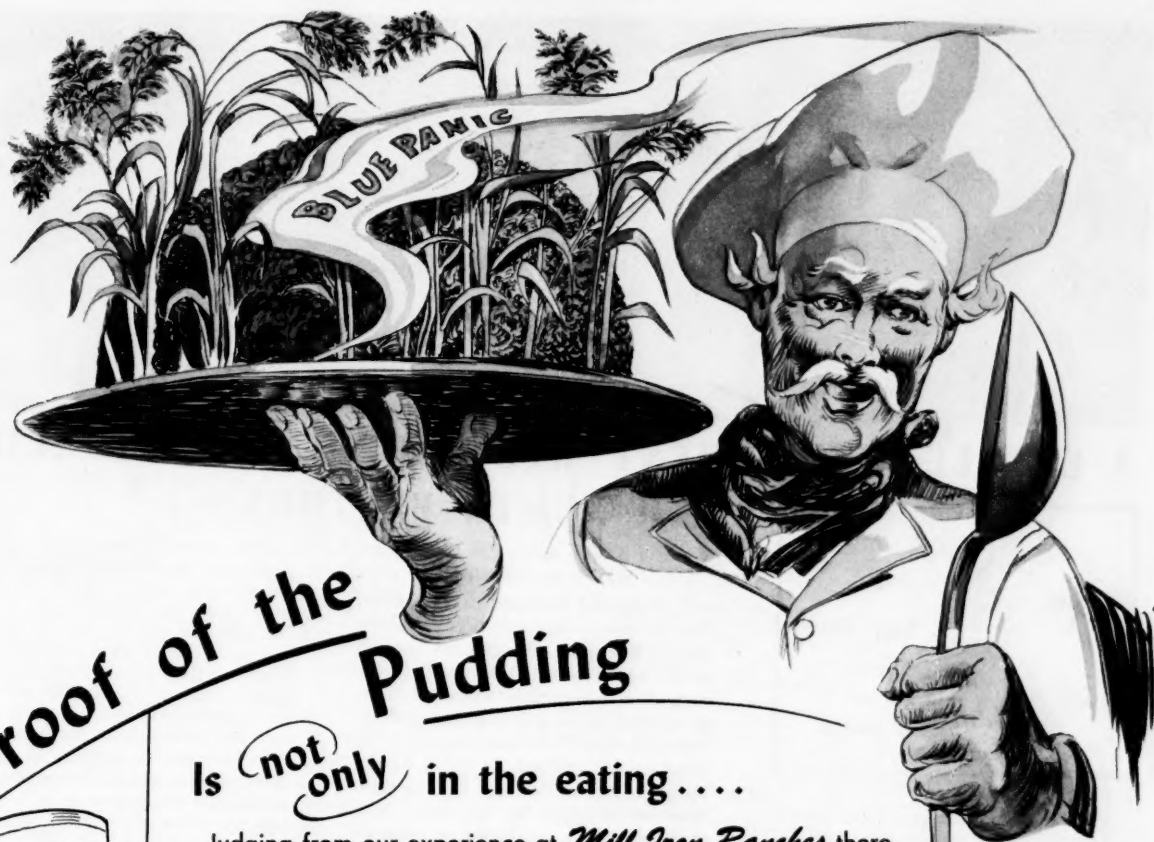
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Table of Contents

	Page
Additions Made to Hereford Register-of-Merit	92
American Beef Cattle Performance Registry Association, Propose	97
ABBA Membership Now Totals 2,144	110
Angus Futurity Dates Changed to August 10-12	160
Animal Agriculture Dominates Farm Scene	144
Ardmore Aberdeen-Angus Sale	143
Australian Santa Gertrudis Breeders Organize	64
Beef Bulls Selected From Feed-Lot Performance	145
Beef Cattle Feeding, New Developments in	94
Beef Cattle Selection Based on Performance	32
Beef Council Launches Spring Membership Drive	144
Brahmans to Venezuela, 5,000	113
Button Clover Shows Promise in East Texas	114
Caraway Shorthorn Sale	110
Cattleman's Corral, The	24
Central Texas Shorthorn Breeders Meet	57
Charbray Calves Sell for \$50,000, 54	123
Chuck Wagon	42
Cattle-King Horse and Colt Show	97
Cowboy Camp Meeting	120
Green Feeding Calves	38
Deaths	65
Edg-Clif Farms Herefords Average \$929—Top \$23,800	75
Factors Affecting Livestock Investment Trends	151
Fort Worth Man Angela Rio Grande Valley Show	91
Fort Worth Stock Show Dates Jan. 27-Feb. 5	48
Goodson New President of AQHA	93
Grain Sorghum Variety Tests at Temple	129
Griffin, Mrs. Dorothea President West Texas Hereford Association	85
Hoot-and-Scoot	80
Horse Handling Science	86
Hospital Where Veterinarians Train, a New \$750,000	26
Kansas Bluestem Pasture Report April 1, 1955	89
Kansas Livestock Association Holds Annual Convention	84
Know Your Insects—Centipedes	88
Know Your Plants—Jimson Weed	83
Lahoma Sweet Sudan Grass	146
Livestock Calendar	158
Livestock Markets Review	152
Lost Herd, The	126
National Angus Conference at Stillwater	134
National Beef Council Formed	122
New Mexico Cattle Growers Meet in Albuquerque	72
New Products for the Ranch	111
Of Things That Concern Cattle Raisers—	
Cattleman Cover, The	7
Cattle and Calves on Feed, April 1, 1955	7
Directors' Meeting June 17	7
Latin American Livestock Numbers	12
Texas General Crop Report	8
Oklahoma City Selected for Cowboy Hall of Fame	79
Old-Time Waddie Man of Few Words	52
Pfeiffer Stock Farm Aberdeen-Angus Sale	136
Producing Commercial Calves by Crossbreeding With Brahman	102
Protein Supplements for Wintering Heifer Calves	58
Range News of the Southwest	154
Red Angus Association Holds First Annual Meeting	131
Red Oak Farms Aberdeen-Angus Sale	136
Results of Pan-Tech Farms Bull Progeny Tests	73
Santa Gertrudis Steers Win Grand Championship in Cuba	142
Stillbirth, Effect on Cattle Carcass Is Small	145
Suncrust-Mill Iron Hereford Company Top \$7,000	71
Texas Farm Population Down	135
Texas and Southwestern Cattle Raisers Association Officers,	
Directors and Inspectors	161
Third Annual Pan-Tech Tested Bull Sale	73
U. S. Brahman Breeders Benefiting from Rapidly Expanding	
Foreign Trade	23
U. S. Cattle to Improve South American Herds	29
Washington Roundup	16
West Texas Aberdeen-Angus Sale	143
Wool Program—How It Works, the New	77
Your Veterinarian Says . . . Those Sudden Deaths of Cattle	90



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Judging from our experience at *Mill Iron Ranches* there is something more vital than the mere fact that stock like **BLUE PANIC** — We believe that it possesses high nutritional value as well as appetite appeal.

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A CATTLE SUPPLEMENT MUST SUPPLY AMINO ACIDS AND RUMEN FACTORS . . .



by

J. T. "Happy" SHAHAN

Owner

SHAHAN

ANGUS RANCH

Proteins are complex food nutrients essential to all plant and animal life. They are the components of the active protoplasm of each living cell and its nucleus. Proteins are complex chemical compounds made up of simpler chemical combinations called amino acids. A protein molecule may be made up of hundreds of amino acids combined with each other in various ways. Each amino acid is made up of some combination of carbon, hydrogen, oxygen, and nitrogen. Many contain sulphur, while others contain phosphorus, iron, or copper.

Different combinations of amino acids result in different proteins of which there are untold numbers. That is why the amino acids have been termed "the building blocks of the proteins." The nutritive value of any protein depends upon the kinds and proportions of the various amino acids in its makeup.



Certain Amino Acids are Necessary for Proper Nutrition

In digesting proteins in the ration the animal's system breaks them down into the component amino acids, which can be absorbed by the body and reformed into new proteins as needed in the various parts of the body. To date 23 or more amino acids have been identified. Of these, 11 are absolutely essential, and that is, they must be supplied by the feed since they cannot be produced or synthesized by the bird or animal. These indispensable amino acids are: arginine, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine, tryptophane, and valine. The remaining amino acids can be converted by the body, except cystine which contains sulphur and which can be replaced by methionine also containing sulphur.

Plants Are the Original Sources of Proteins

Plants are the original sources of the proteins since they have the ability to synthesize (produce) their own proteins from such simple compounds as carbon dioxide, water, nitrates, and sulphates. Some bacteria and a few green plants are able to utilize atmospheric nitrogen in place of the nitrates.

How Animal Proteins Are Formed

Animals cannot synthesize or produce proteins from simple materials as plants do; hence they must depend upon plants and other animals for needed proteins or amino acids. Animals, however, can convert dietary proteins into their component amino acids and then reassemble these into animal proteins to form different parts of the body. These proteins form the main portions of the bones, ligaments, hair, nails, hooves, skin, as well as the soft tissues which include the organs and muscles.

The proteins as contained in the feed eaten by animals and birds must supply the amino acids needed to build new parts and tissues which include the organs and muscles.

The proteins as contained in the feed eaten by animals and birds must supply the amino acids needed to build new parts and tissues in growth and reproduction, or to repair worn-out tissues. Therefore, if the diet does not contain the necessary amino acids, growth proceeds at a reduced rate or stops altogether, or a loss of weight occurs. In an effort to survive, the animal in such case will withdraw protein from tissues other than the vital ones.

Rumen Factors Also Necessary

In order that the billions of microorganisms in the rumen may do their work of aiding in the digestion of roughage they must be supplied with (1) a quick source of energy; (2) a slow source of energy; (3) proper proteins or nitrogen; (4) vitamins; and (5) various minerals. Ordinary forage, especially in fall and winter, does not supply these factors so they must be supplemented.

When you self-feed WINTER GARDEN PVM to your cattle, sheep, and goats you supply them with the essential amino acids and the rumen factors they need for proper nutrition. This results in greater reproductive efficiency; more calves, lambs, and kids; more meat; and more wool per acre of range.



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in *Winter Garden PVM* "

"KING OF THE SUPPLEMENTS"

What WINTER GARDEN PVM has done for Kallison's Polled Hereford Ranch and many others it can do for you. The reason is simple. WINTER GARDEN PVM supplies the minerals, vitamins, essential amino acids, and the rumen factors needed by cattle, sheep, and goats to aid in getting the maximum of nutritional elements from the forage. That is why herds and flocks having continuous access to WINTER GARDEN PVM stay in better condition, maintain better reproductive efficiency, and drop more calves, lambs, and kids. The young animals get off to a better start in life . . . and this means more meat and wool per acre of ranch . . . and bigger profits.

In addition, WINTER GARDEN PVM saves feeding time and labor since it can be placed in large self-feeders to eliminate the extra work of daily feeding. And what is more, you do not have to worry about animals over-eating. They will eat just what they need . . . and no more. Try WINTER GARDEN PVM and the results will prove to you that it is the "King of the Supplements."

START FEEDING

WINTER GARDEN PVM, NOW

Available in 12%, 16% and 20% Protein content. No additional salt, minerals, or proteins needed.



Sincerely,
NATHAN KALLISON
for Kallison's Ranch



Prize Polled Herefords on Kallison's Ranch

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Mr. Happy Shahan
La Pryor Milling Company
La Pryor, Texas

San Antonio, Texas
Nov. 19, 1954

Dear Happy:

It is only on a very rare occasion that I take time out and offer a testimonial. And as this comes entirely unsolicited on your part, I am sure you will be interested in knowing that for the past two years I have kept before my herd of approximately 400 head of Registered Polled Herefords, PVM "Serving free choice".

Through these dry times, you know from experience that it has been rough. Our cow herd has stayed in a fat condition, our calves have had more bone, flesh and size than ever before, and I attribute their condition to the use of PVM.

Many times when fellow ranchers look over the condition of our cattle and ask "how come". I always answer that it is that "extra something" in PVM that has done such a good job in helping maintain our cattle. I most heartily recommend your product to all my friends.

With best wishes, I am

PK:f1

BREEDERS OF CHAMPIONS

The record speaks as follows:

All champions of this year's national association show circuit are either direct or indirect offspring of Clear Creek Ranch breeding—a record of which anyone would be proud. It gives us satisfaction to know that other breeders are now benefiting from our breeding program.

So, when you are looking for cattle with which to start or improve your breeding program, it is only logical that you come to us and inspect cattle whose breeding has been proven. We make this claim because we do not sell any cattle except those produced on our own ranches.

This is the time of the year when interest is high in obtaining bred heifers. We are offering for sale 40 head to calve next fall. They are located on our Mississippi ranch. At Welch we have an unexcelled choice of yearling Brangus bulls and three top 3/4 bulls ready to go to work.

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RANCHES AT WELCH, OKLAHOMA AND GRENADA, MISSISSIPPI**

Charter Member, American Brangus Breeders Association



Of things that concern cattle raisers

The Cattleman Cover

Photograph by Roger B. Letz

FOR this month's cover The Cattleman went to the ranch of the president of the American Brahman Breeders Association, J. T. White of Hearne, Texas.

The bull shown is JTW Imperator Manso 370, a three-year-old typical of the American beef-type Brahman sires being used by Brahman breeders throughout the United States today. This bull is the result of more than 20 years selection for better quality on the White Ranch where individuals are bred for quality in a breeding program designed to produce the best.

In this issue The Cattleman features Brahman cattle. Several articles about the breed are presented, including the recent development of a large foreign market for beef improvement abroad and a story about cross breeding for commercial beef production. We are happy to feature the Brahman and pay tribute to a breed that is playing such a significant role in the American beef cattle industry.

Directors' Meeting June 17

ROY PARKS, president of the Texas and Southwestern Cattle Raisers Association, announces that the first quarterly meeting of the board of directors will be held at the Texas Hotel, Fort Worth, Texas, at 9:00 a. m., Friday, June 17. Mr. Parks is very anxious that all directors make every effort possible to attend this meeting and extends a cordial invitation to members and others interested in the Association and the cattle industry to attend.

He suggests that those planning to be at the meeting make their hotel reservations as soon as possible.

Cattle and Calves on Feed, April 1, 1955

THE number of cattle and calves on feed for market in the 14 major feeding states on April 1 was estimated at 4,547,000 head, according to the Crop Reporting Board. This was an increase of about 12 per cent from the previous year and compares with an increase of 8 per cent in these 14 states on January 1. The April 1 number on feed is 11 per cent below the previous January 1 level. In the three Corn Belt states—Illinois, Iowa, and Nebraska—where comparable data for 1954 are available, the number of cattle placed on feed during the January-March period was 10 per cent higher than for the

corresponding period a year earlier, while marketings of fed cattle were 2 per cent lower.

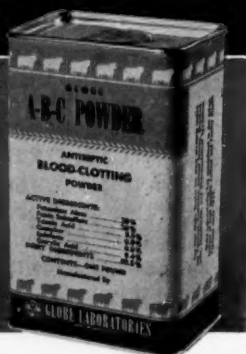
The number of cattle on feed in nine Corn Belt states on April 1 was estimated at 3,671,000 head, 8 per cent larger than a year earlier. For the 11 Corn Belt states, including an allowance for Michigan and Wisconsin, the number on feed was eight per cent larger than on April 1, 1954. The April 1 number in nine states was six per cent below the 3,913,000 on feed January 1. Missouri was the only state showing a decline from a year ago. Shipments of stocker and feeder cattle into the Corn Belt states during the January-March period were 11 per cent larger than for the same period a year ago.

In California, the number of cattle on feed April 1 totaled 318,000 head, compared with 467,000 on feed January 1, and 206,000 head on feed April 1, 1954. The number on feed in Idaho was 102,000, compared with 135,000 on feed January 1, and 85,000 on feed a year ago. Colorado had 220,000 on feed April 1, compared with 275,000 on January 1, and 183,000 on April 1 last year. Arizona had 155,000 on feed, compared with 169,000 on January 1, while Texas had 81,000 on feed April 1 and 126,000 on January 1. No estimates have been made for Arizona and Texas of the number on feed April 1, 1954.

Cattle feeders in the five states where comparable data for April 1, 1954 are available expected to market about 45 per cent of the cattle that were on feed April 1 during the next three months, with 14 per cent in April, 16 per cent in May, and 15 per cent in June. This is at a faster rate than reported a year ago, when 43 per cent was expected to be marketed during the April-June period. The number of cattle on feed under three months was 19 per cent larger than a year ago, reflecting the larger placements since January 1. The number on feed 3-6 months amounted to 1,629,000 head, 13 per cent above the 1,443,000 head on hand a year earlier. The number of cattle that have been on feed over six months is estimated at only 78,000 head, compared with 107,000 a year ago. The five states showed a considerable increase in the number of heifers on feed, but the proportion of heifers on April 1 was somewhat less than on January 1, reflecting heavier marketings of fed heifers in the first three months of this year compared with last year. Heifers represented 16 per cent of the total this year compared with 15 per cent last year. Steers accounted for 65 per cent of the total this year compared with 66 per cent a year ago;

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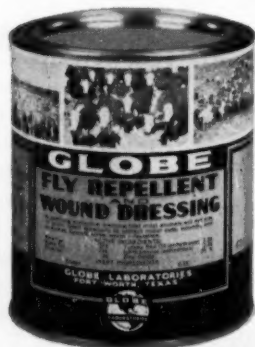
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is an antiseptic, blood-clotting powder for use on sheep, cattle and other animals. A-B-C Powder helps to stop bleeding—it's a "must" for the stock raiser in docking, dehorning and other operations. Easy to apply from new shaker-top can, sealed against moisture. Keep A-B-C Powder on hand for use on cuts and wounds, also. Apply by dusting the wounds liberally, being sure that all exposed and bleeding tissues are entirely covered.

GLOBE FLY REPELLENT AND WOUND DRESSING

is another effective aid for the livestock raiser who wants to avoid possible losses from minor external injuries. Soothing and protective, ideal for use in simple cuts, wounds, bruises and scratches of livestock. Used as directed, Globe Fly Repellent and Wound Dressing will afford dependable protection against screw worm infestation. Apply freely, being

careful that the skin at the margin of the wounds, as well as the raw surface itself, is completely covered. Repeat treatment as often as necessary, keeping the wound thoroughly covered until healing is completed.



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LABORATORIES
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Kansas City Denver Little Rock Memphis
Artesia, Calif. Sioux City, Iowa Calgary, Can.

calves, 18 per cent and 18 per cent; cows and other, one per cent and one per cent. The proportion of light weight cattle on feed in the five states was the same as a year earlier, with 23 per cent weighing less than 600 pounds. Cattle weighing 600-900 pounds accounted for 46 per cent of the total this year, the same as a year earlier, while those weighing over 900 pounds were 31 per cent of the total in both years.

For the 14 states for which estimates are made this year, cattle feeders intend to market 49 per cent of their cattle during the next three months, with 16 per cent in April, 17 per cent in May and 16 per cent in June. The remaining 51 per cent is expected to be marketed after July 1. About 36 per cent of the total had been on feed less than three months, 60 per cent had been on feed three to six months, while only four per cent were on feed more than six months. In these same states, steers represented 62 per cent of total; heifers, 19 per cent; calves, 18 per cent; and other cattle, one per cent. Cattle on feed weighing under 600 pounds comprised 23 per cent of the total number on feed. Cattle weighing 600-900 pounds were 48 per cent of the total, while those weighing over 900 pounds were 29 per cent.

Texas General Crop Report

APRIL 1 conditions point to the smallest wheat crop in Texas since 1935 with prospective production placed at only 12,924,000 bushels by the Crop Reporting Board. Last year's crop was estimated at 30,894,000 bushels and the 1944-53 average production amounted to 55,404,000 bushels. Reduced plantings, heavy abandonment with correspondingly light yields per acre account for the sharply reduced prospects. Seeded acreage is 11 per cent below the acreage planted for 1954 harvest. Smaller acreage allotments and lack of moisture at planting time are largely responsible for the reduction.

Throughout the northwest wheat was seeded under unfavorable conditions with soils probably the driest in northern Low Rolling Plains counties where considerable acreage was seeded after December 1. Prospects in these latter counties received a big boost from winter moisture with two good snows covering the important wheat areas. On the High Plains conditions were unfavorable for germination, winter moisture was very light, and prospects have gone down steadily. The outlook is especially bleak in that important wheat country where most of the dryland acreage is on the thin edge of going completely out. Prospects for irrigated wheat were generally good until late March when a heavy infestation of greenbugs moved in. North Texas wheat was seeded under favorable conditions and, except for low temperatures in late March, has developed under satisfactory conditions. Wheat was generally not far enough advanced to be seriously affected by the late

Dona Elena, a two-year-old BEEFMASTER heifer, creep-feeding her first calf, Don Colorado, with milk.



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Under range conditions, without creep feeding, BEEFMASTER calves will average 600 pounds or more at eight months of age. This is proof of the high milk production of BEEFMASTER dams. In spite of this high yield, BEEFMASTER cows and calves are bred to handle this production without assistance. Any cow requiring hand milking at calving time under normal range conditions is culled.

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June Cow-and-Calf Sale

Contracts covering the June cow-and-calf sale at Matheson will be available the latter part of May. The cows to be offered in this sale are all proven producers and will be sold with calf at side. Write now for a copy of the contract to be sent you as soon as issued. No obligation.

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"More Beef for Less Money since 1908"

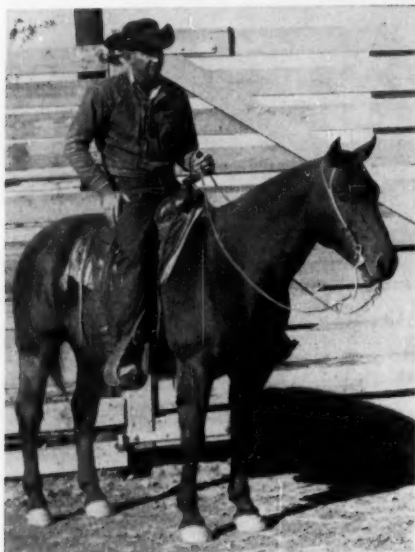
Ranches: MATHESON, COLORADO / FALFURRIAS, TEXAS **Mailing address:** THE LASATER RANCH, FALFURRIAS, TEXAS



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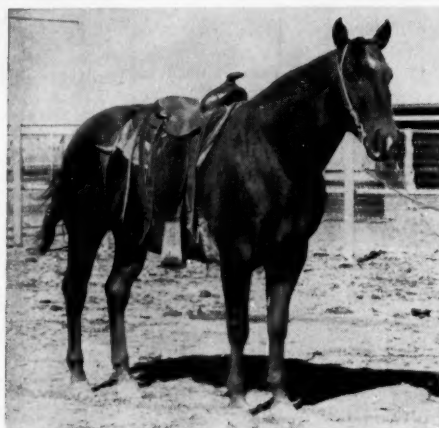


BUDDY DEXTER P-16,341
His get sell



AMIGO BROWN P-7,347
His get sell

OFFERING MARES, STALLIONS, GELDINGS, FILLIES—ALL AGES



MACANUDO, JR.,
P-17,536

*This top, proven sire is a
good cutting horse. He, his
get and service SELL!*

The O'Donohoe Offering:

- ★ 8 Brood mares—including five Underwood-bred mares, one Blackburn mare and a John R. Scott, Jr., mare. Six should have colts by side at sale time. All pasture exposed to Macanudo, Jr., P-17,536, to foal 1956.
- ★ 1 Senior stallion (Macanudo, Jr., P-17,536) by Macanudo, P-211 (King Ranch). A good cutting horse—NCHA certificate of ability No. 96.
- ★ 5 Young geldings by Buddy Dexter P-16,341, Amigo Brown P-7,347, and Rocky Dexter P-16,234.
- ★ 16 Fillies—mostly yearlings and two-year-olds by Buddy Dexter, P-16,341, Amigo Brown P-7,347, and Macanudo, Jr., P-17,536.

Sale will be held in the 4-H Club barn on Hampstead Lane just off
Jacksboro Highway, starting at 12:30 P. M.
Lunch served by sellers.

Walter Britten, Auctioneer

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George Kleier, for The Cattleman
Lester Goodson, President, AQHA
Raymond Hollingsworth, Sec'y, AQHA

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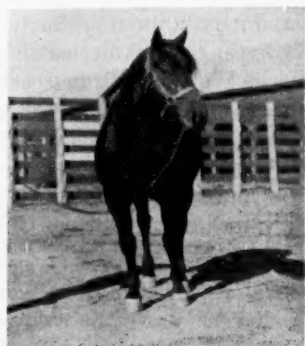
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We cordially invite you to attend our first joint production sale of Dexter-Golden Chief-Silverstone-bred Quarter Horses. This offering has been carefully selected for top bloodlines, high quality and good conformation from the herds of R. L. Underwood and Jack O'Donohoe.



Underwood Quarter Horse Farm Headquarters, 10 mi. N. W. of Wichita Falls



Left:
Dexter,
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R. L. UNDERWOOD WICHITA FALLS, TEXAS
420 Oil and Gas Building

The Underwood Offering:

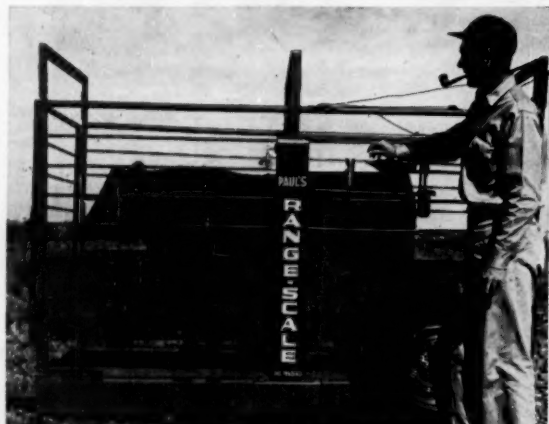
- ★ 5 Brood mares—all should have foals at side by sale date, and pasture exposed to Dexter P-193
- ★ 1 Two-year-old stallion by Buddy Dexter P-16,341 (line bred son of Dexter P-193)
- ★ 5 Geldings (one, two, and three year old)
- ★ 3 Two-year-old mares, two by Dexter P-193, and one by Romeo Dexter P-19,452
- ★ 1 One-year-old filly by Sunny Bob P-36574
- ★ 5 Three-year-old mares, three by Buddy Dexter P-16,341, two by Texas Bill P-2214
- ★ 6 Yearling studs, one by Top Flight P-1097, three by Dexter P-193, one by Buddy Dexter P-16,341, and one by Romeo Dexter P-19,452
- ★ 1 Senior stallion, Sunny Clegg P-5475, a proven and valuable sire

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TORQUE SUSPENSION

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Cull out the runts and loafers! Keep the best, fast-gaining stock! Save on feed costs by checking actual gains on your special feeding program. Now, sellers KNOW exactly what animals weigh, WHEN to SELL. Ranch-Tested by practical cattle ranch operators, PAUL'S Portable Range Scale may pay for itself the first year.

COMPLETE: 3000 Lb. Capacity; Platform 37" x 99"; with wheels, tires, scale beam, steel side rails, end gates and hitch, F. O. B. DUNCAN, OKLA.

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March freeze. Some of the earliest fields in north Texas that had jointed were hard hit, however.

Replanting of corn has been heavy and some sorghums were planted over. Prior to the freeze, cotton planting had moved into upper coastal and extreme south central counties. Except in the Valley and Coastal Bend, most acreage that was up was killed and some replanting was necessary in the latter area. Over the April 9-10 weekend heavy rains fell in Blackland, upper Coastal and east Texas counties, tapering out to the south and west. Light scattered showers also fell in the Cross Timbers, eastern Plateau and Low Rolling Plains. Important wheat areas in the High Plains still have failed to receive effective moisture, however.

Condition of rye, reported at 61 per cent of normal on April 1, is five points above a year ago but 12 points below average for the date. April 1 condition of pastures, reported at 56 per cent of normal, compares with 46 per cent a year ago and the April average of 71 per cent. Pastures and ranges remain dry in western and southern districts. Spring grass and weeds in central and eastern areas were set back by cold weather. Rains since April 1 will enable pastures to overcome this setback and provide a good supply of green feed in these areas until clovers and rescue grass mature. Alfalfa especially new acreage, was nipped back and first cuttings will be delayed.

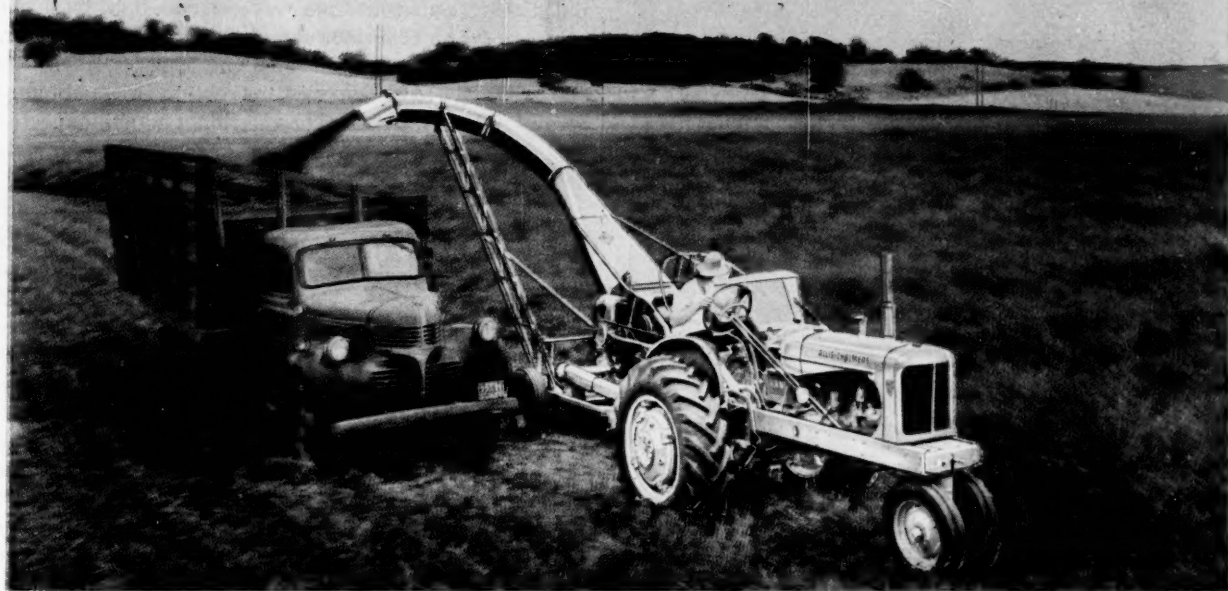
Latin American Livestock Numbers

LIVESTOCK numbers and meat-animal production have increased markedly in Latin America since the beginning of World War II, but in recent years there has been a temporary decline in slaughter and meat production. Increased local demand and a temporary decline in meat output have resulted in a sharp drop in meat exports and have focused attention on the need for livestock improvement and greater meat output.

Cattle numbers in Central America in 1954 were estimated to be about 10 per cent above the average of 1946-50 and 26 per cent above prewar. In South America numbers in 1954 were about 11 per cent above the postwar average and about 33 per cent above prewar. For Latin America, as a whole, cattle numbers in 1954 were 11 per cent above the average for 1946-50 and 31 per cent above the 1936-40 average. The increase has been general, with the exception of a few countries like Uruguay and Chile.

Sheep numbers in Latin America have increased about as much as cattle numbers since prewar. The number of sheep on farms in 1954 was estimated to be 8 per cent above the average for 1946-50 and 26 per cent above prewar. Sheep numbers have increased materially in Bolivia, Brazil, Chile, Colombia and Uruguay.

feed SPRING grass every season

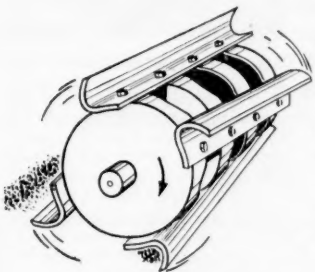


Start this spring with your own Allis-Chalmers Forage Harvester. Be secure for seasons to come with low-cost power harvesting of range grass and legume forage at their nutritious best. Make every acre produce more beef!

Summer? Yes, let drouth come — you'll be ready if you make silage of surplus spring grass.

Fall? Harvest late growth before frost . . . feed it fresh or make more silage. Cut row crops at their peak of value, too. Use your Forage Harvester to chop stalks or stubble for bedding.

Winter will bring welcome relief during blizzards. Handily stored near your feedlot will be a bountiful supply of silage — feed insurance for every season. Ask your Allis-Chalmers dealer to show you this Forage Harvester, designed and built with wide-flow feed . . . for big capacity in grass or windrows as well as row crops.



Heart of the Allis-Chalmers Forage Harvester is this 3-foot-wide cylinder with spiraled, cupped knives — power-sharpened without removal from the machine. Knives are cupped to throw each bladeful of material, eliminating the need for a blower in the machine.

New SLIDE-LOCK mounting permits easy interchange of grass and row-crop attachments. Windrow pickup mounts on grass attachment in minutes.

Your choice of rear or side delivery to wagon or truck.



Tractor power takes grass from field to feedlot. Grass is harvested at its peak of value. Nutritious silage is made of the surplus.

Winter storms or summer drouths cease to be the worry they usually are . . . when you have plenty of grass silage . . . nutritious green feed the year 'round.

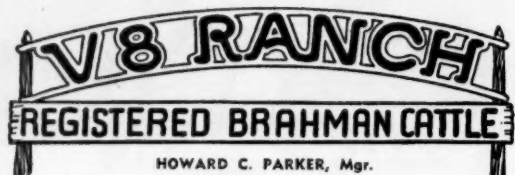


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MR V8 69th, One of Herd Sires in Pasture Condition

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COWS AND HEIFERS
FOR SALE AT ALL TIMES.**



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now available for sale. Strengthening
your herd with **M R BEEFMASTERS** means
extra dividends for you in economical
production.

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MILLER RANCH

Falfurrias, Texas

Every animal in our herd is
a purebred **M R** Beefmaster

*'Put them on pasture -
they'll do the rest'*

Hog numbers and pork production have also increased significantly. Numbers in Latin America in 1954 were an estimated 18 per cent greater than the average for 1946-50 and almost a third above prewar.

Production of all meat in 1953 in the principal Latin American countries was estimated to be 4 per cent below the 1946-50 average, but 18 above prewar. The decline in production from the 1946-50 average is due primarily to the current uptrend in livestock numbers. Therefore greater production may be expected in future years from the larger number of animals now on hand.

The most pronounced change in the livestock industry in South America in recent years has been the tendency for meat exports to become smaller and smaller. For example, during 1953 net exports of all meat from important Latin American countries were 46 per cent below the average for 1946-50 and 53 per cent below prewar. The smaller supplies for export not only reflect the temporary reduction in meat production, as livestock numbers have been increasing, but are also due to increased home consumption. As the area has become more industrialized the demand for meat has risen. Uruguay and Argentina are now the only surplus producers of meat of any importance and many countries such as Colombia, Paraguay, and Brazil, formerly large exporters, are now finding it difficult to supply enough meat from local production to fill the expanding needs of the people. South America has been an important supplier of beef for deficit areas of the world, but it now appears that this role will become less important in the future, and a few years hence importing countries of the world may look to Africa as a new source for beef. The higher standard of living enjoyed by the South Americans and the fact that the human population is increasing rapidly, are increasing the incentives of obtaining increased production from livestock.

Livestock production in the tropical and semi-tropical regions of Latin America is on the threshold of a potentially large-scale development which will help in the diversification of agriculture and make the countries less dependent upon the sale of cash crops, such as coffee and cocoa. These nations want to prevent the distress which results when prices of an important crop, like coffee, fall and to cushion the economy from the effects of one-crop farming. They also desire to improve the living standards of the local people.

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CATTLE RAISERS
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Keep
Theft Losses
Down!

CHARLES KAECHLE (center), of Wallis, Texas, shown with his son, **ROY** (right), and **AA QUALITY Dealer, H. H. KOYM**, (left), inspecting growth of clover which appeared only after application of 1,000 lbs. **AA QUALITY Ground Phosphate Rock** per acre. "Rock-fertilized pastures produce more and better feed and improve condition of the cattle," says Mr. Kaechele.



"We're convinced our cattle do better on Rock-Fertilized Pastures — supplemental feeding cut in dry season"

Says **CHARLES KAECHLE**, of Wallis, Texas

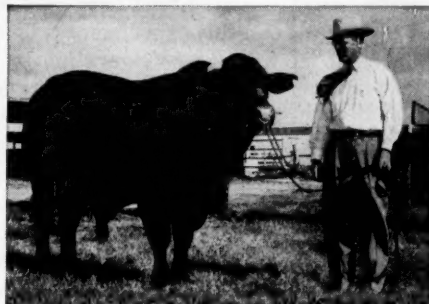


ARNOLD W. KLEMME, PhD., well-known Agronomist, on leave from University of Missouri, is Director of Agricultural Research for T. F. MURCHISON CO., San Antonio, Texas. Dr. Klemme writes, "Field tests on the Murchison Ranch show that ground phosphate rock can be used to correct phosphate deficiencies on both acid and alkali soils."

"We bring the phosphorus level up to the point of maximum yield with adequately watered plants, by using 1000 lbs. per acre of **AA QUALITY Ground Phosphate Rock**, and find it equally efficient, at much lower cost, than other carriers of phosphorus."

"**WE** have been applying **AA QUALITY Ground Phosphate Rock** to our pastures for about 5 years, and this experience shows us that our cattle do better on Rock-fertilized pastures," writes Charles Kaechele, well-known cattleman, of Wallis, Texas. "Our Rock-fertilized pastures provide more grazing for our cattle, keeping them in better condition, and feed costs go down, where we use Rock."

"Our soils for the most part are sandy and deficient in plant foods. Since we know that a phosphorus deficiency exists, it is important to correct this condition, at the lowest cost."



MARCUS W. MAURITZ, Ganado, Texas, shown with "Chief." Like all of the Mauritz stock, this Santa Gertrudis Bull (18 months old when photo was taken), thrives on heavily phosphated pasture, with no supplemental feeding, in spite of drought and short grass. "AA QUALITY Ground Phosphate Rock, as much as 2500 lbs. per acre, provides the mineral-rich pastures that top-quality beef animals require," says Mr. Mauritz.

"**AA QUALITY Ground Phosphate Rock** does this important job so well that it repays its cost many times over. Our cattle stay in better condition on pastures where Rock is applied and they consume far less feed supplements. The cattle show marked preference for grazing on Rock-fertilized land, which shows us that Rock provides what cattle need, and provides plenty of it."

"The improvement that **AA QUALITY Ground Phosphate Rock** makes in pastures applies to our heavier soils as well as to our sandy soils."

The long-lasting residual effect of each application makes the subsequent application of Rock produce even more grazing and bigger hay yields.

TRY ROCK ON YOUR RANCH!

Build and maintain an adequate supply of phosphorus the profitable, low-cost way—apply **AA QUALITY Ground Phosphate Rock**, 1000 to 2500 lbs. per acre. Rock usually pays for itself the first year, and keeps on paying dividends for 6 to 8 years.

ACT NOW—WRITE OR PHONE

J. E. Williams, Box 248, E. Bernard, Texas

AA QUALITY Ground Phosphate Rock is mined and refined by The American Agricultural Chemical Co., producers of Superphosphate and Complete Fertilizers . . . with phosphate mines in Florida and 30 factories and sales offices serving the U. S., Canada and Cuba.

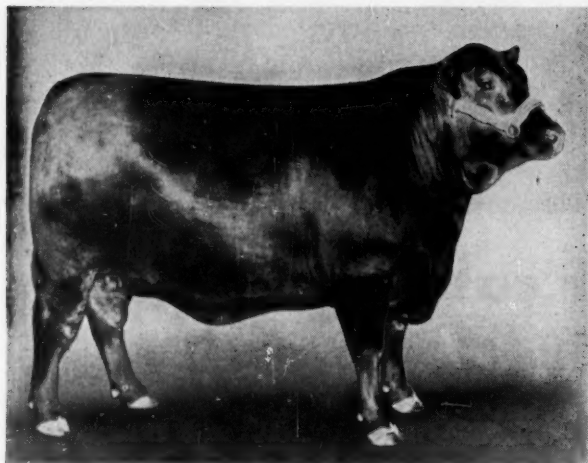
FROM OUR MINES
→
TO YOUR RANCH

AA Quality Phosphate Rock

FINELY-GROUND FLORIDA PEBBLE PHOSPHATE ROCK

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Brangus



Miss Clear View 53rd. A summer yearling heifer selected as the National Champion Brangus female at the 1954 San Antonio Livestock Exposition and the 1954 Gregg County Fair at Longview.

FOR SALE AT THE RANCH

75 head of Registered Brangus yearling heifers. These heifers are open, near breeding age.

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We will be happy to send you a copy of our descriptive, illustrated brochure about Clear View Brangus. It's yours for the asking . . . no obligation.

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The Cattleman's WASHINGTON ROUNDUP

By THE CATTLEMAN'S Special Washington Correspondent.

Meeting With Western Senators—Jay Taylor, President of the American National Cattlemen's Association, and members of his legislative committee, were guests of the Western Conference of Senators at a luncheon in the U. S. Capitol Building a few days ago. The senators from fifteen western states gathered at the call of their co-chairmen, Senator Wallace F. Bennett of Utah and Senator James E. Murray of Montana, to learn at first hand the problems of cattle and beef.

This meeting, like similar ones held in prior years, gave the legislative committee an excellent opportunity to talk to the Senators in a group, under favorable conditions, and win their support on legislative matters of importance to the livestock industry. President Jay Taylor and First Vice-President Don Collins spoke on several bills dealing with reciprocal trade, grazing of public lands, livestock credit, drouth, and price controls.

The legislative committee, a hard working, effective group of cattlemen, met from early morning to late at night with Secretary of Agriculture Benson and his assistants, other government agency heads, and key members of Congress. Besides Taylor and Collins, the group on the job in Washington included Judge Joe Montague of Texas, Cushman Radebaugh of Florida, Jack Milburn of Montana, and Robert Lister of Oregon. Assistant Secretary Radford Hall accompanied the group to Washington and Alan Rogers of Washington, the National's research committee chairman, was in the nation's capitol at the same time to confer with Agriculture Department research heads.

Irradiated Beef May Be Harmful—Apparently successful experiments to preserve foods indefinitely without refrigeration by using atomic irradiation to kill all germs holds great promise for the livestock industry. Nevertheless, the Massachusetts Institute of Technology warns that beef and other foods sterilized by atomic radiation for preservation might be harmful if eaten.

The scientists said changes in a relatively few molecules of a food or drug subjected to radiation could result in products harmful to consumers. Therefore, before the process is used commercially, more work will have to be done to eliminate undesirable side effects.

Livestock Move By Truck—Over three-quarters of total livestock receipts at the 60-odd markets for which USDA Livestock Market News reports were made in 1954, arrived by truck, according to Secretary Benson. For a number of years, he said, there



Meet Caterpillar's newest tractor... the mighty D7! Here's the most powerful tractor in its class. Here's more horsepower, more pull-power, more ease of operation... to move more dirt... to clear land... to handle big equipment for less! Here's that extra power you need to pull bigger loads... economy to give you a wider margin of profit. Look at a few of the features:

NEW HORSEPOWER... 102 drawbar HP, 128 flywheel HP, for more work capacity!

NEW PULL-POWER... 28,700 maximum pounds pull. 13½% more than the former D7.

NEW STARTING ENGINE... positive starting is yours in the D7. More powerful gasoline starting engine has been developed to assure users of dependable operation.

NEW, MORE EFFICIENT FUEL SYSTEM... new injection system with capsule-type injection valves. Pumps or valves easily replaced in the field.

See the new D7 in action and you'll agree it's the MIGHTIEST OF THE LIGHT-HEAVY-WEIGHTS! Call us today for all the facts. We'll show you how the D7 gives you more of everything you want!

CENTRAL TEXAS MACHINERY CO. Abilene • Odessa, Texas

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Use the facilities of
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Regular Sale Days
 Mondays and Tuesdays
 (Wednesdays if Necessary)



3000 East Third

E. B. Johnson
 M. T. Johnson

Jay Taylor
 J. R. Taylor



WEEDS TAKE FERTILITY FROM THE SOIL—GRASS FROM CATTLE

If you're looking for a low-cost implement to control the weeds in your pastures Caldwell's A-3 twelve-blade Weed Cutter is the machine you need. The A-3 does a fine job, requires low tractor power, and is so simple in design that any farm hand can operate it.

Weeds not only rob your soil of richness, they bleed the land of water, stunt the grass, take feed from your cattle.

Thousands of A-3's are in use—many of them for 15 years or more, with very little spent for upkeep. If you have a cutting problem, we don't care how big or how small, we have a machine for it. Ask for FREE booklet, "RICHER LAND and BETTER GRASS." See your dealer or write:

E. L. CALDWELL & SONS
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has been a steady annual increase in the percentage of truck receipts of total receipts of livestock at these markets.

For the calendar year 1954, the percentage of truck receipts of total receipts for the various classes of livestock were: Cattle, 80.9 per cent; calves, 82 per cent; hogs, 86.8 per cent, and sheep and lambs, 52.7 per cent.

Livestock moving to market by motor truck ride in style today compared with the rough and often hazardous trip it faced just a few years ago. Open, stake-bodies, all-purpose trucks formerly used for this transportation have, to a large extent, been replaced by van-type trucks and trailers specially designed to give animals smoother, bruise-free rides with more care for their protection and comfort.

Reflective sides and roofing, insulation, counter-sunk bolts, the elimination of sharp corners and projections, partitions to prevent animals from piling-up during transit, better ventilation, and even air-conditioning are commonly found in the modern livestock truck.

Humane Slaughter—Legislation introduced in the Senate of the United States by Senator Humphrey of Minnesota, would require a change in the present method of stunning livestock and poultry before slaughter. The prohibition is to apply not only to slaughterers engaged in selling meat products in interstate commerce but also would apply to any slaughterer who purchases livestock or poultry in interstate commerce. This would make the law applicable to practically all slaughterers.

Under the bill no slaughterer would be permitted to bleed or slaughter any livestock unless such livestock had first been rendered insensible by mechanical, electrical, chemical, or other means determined by the Secretary of Agriculture to be rapid, effective and humane. The only exception would be in the Kosher slaughter of livestock and poultry, in which case the present procedure would not be changed.

According to Washington observers, the Humphrey bill does not stand much chance of passing this year. There is very little evidence that animals suffer very much under present slaughtering methods, and the cost of adopting the methods of rendering animals unconscious before slaughter, as prescribed by the bill, would be uneconomical except for the largest packers.

Government May Regulate Private Carriers—It has been suggested to the President of the United States that a private carrier by motor vehicle be re-defined as any person, not included in definition of a common or a contract carrier, who transports property of which he is owner, provided that the property was not acquired for the purpose of such transportation. This recommendation was made by the Presidential Advisory Committee on Transport Policy and Organization in its report, released on April 18.



Price Spread can help you

Convenient foods require extra services but expand the market for agricultural products.

How do you buy your bacon?

Remember what a job it was, slicing bacon from a slab? Risky, it was, and quite a contrast to the packaged bacon we buy at the store today. (Packaged bacon is handy, even if some of us do like thicker slices than most consumers!)

Sliced, packaged bacon is only one of a long list of convenient products that are now available. All of them have been developed to SELL FOOD by meeting the consumer's needs and wishes.

Examples of products with "built-in services" are:

Fully cooked, skinless, boneless, rolled hams
Dozens of luncheon meats—Brown & Serve Sausage
Meat pies, chicken pies, stuffed turkeys—ready for the oven
Specially prepared meats for babies
Frozen fried chicken—ready to serve after heating
Canned hamburgers and frankfurters . . . ideal for picnics.



1955, our Centennial year, emphasizes how Swift is looking ahead to its second century of serving farmers and ranchers even better. 1955 also reflects the progress and experience of 100 years of operation—since the time G. F. Swift bought a heifer, dressed it and sold the meat, starting the business that is now Swift & Company.

Today, about 21% of all married women have full-time jobs outside their homes. Another 5% have part-time work. There is not much time for "Do-it-yourself" in their kitchens. They, and millions of other consumers, are willing to pay for the extra services required to provide the convenient products that will save time and work.

To meet the requirements of millions of busy homemakers, Swift & Company produces a wide variety of "convenience" products. There are hundreds of these items, in which all or a great part of the

preparation has been done. They are in food stores everywhere—no doubt your family uses them, along with "convenience" products from other lines of the food industry.

The cost of the additional services increases the spread between what you get for agricultural products and what the housewife pays for food. Farmers and ranchers generally benefit, even though the price spread is greater. New and more convenient items stimulate the demand for meat and other livestock products . . . helping to bring to you greater total returns.



Tom Glaze

AGRICULTURAL RESEARCH DEPARTMENT

SWIFT & COMPANY

UNION STOCK YARDS • CHICAGO



The Cattleman's CORRAL

Edited by HENRY BIEDERMAN

BENSON VISITS DROUTH AREA—

Secretary of Agriculture Benson made first hand tour of drouth and dust storm conditions in Southern Great Plains Area late in April. His trip included Colorado, Kansas, Oklahoma, Texas and New Mexico.

* * *

PRICE CONTROL LEGISLATION

TURNED DOWN—The Simpson Bill (HR 4896) which would prohibit cattle prices from dropping more than 25c below the preceding market day at posted stockyards is apparently dead for this session of Congress.

The measure was discussed by the House Agriculture Committee's livestock subcommittee in executive session but no action was taken. All indications were that the bill would get nowhere.

Some subcommittee members expressed the opinion that the price control provisions would be much harder to enforce than were CPA and OPS regulations and would result in serious dislocation in livestock marketings. Representative Sid Simpson (R-Ill.) is author of the bill.

* * *

GOVERNMENT GRADING OF MEAT—

Government grading of meat, compulsory during price control days of World War II, and Korea, was restored to a voluntary basis on February 26, 1953. Federally graded beef and other meats insure consumers that they will receive the grade of meat they want with every purchase.

Statistics of the Agricultural Marketing Service, Department of

Agriculture, show the total amount of meat and meat products graded in February of this year totaled about 469 million pounds, a decline of only about 18 per cent from February, 1953.

USDA officials said grading probably was holding up mainly because food retailers insist on it. Retailers want grading, as it was indicated, because of competitive reasons—they can use grading as a selling point—and because it helps them maintain uniform quality. At the present time there are 350 Federal graders. Packers pay for their service at the rate of \$3.60 per hour.

* * *

MARKETING QUOTAS FOR WHEAT—

USDA officials are becoming concerned over prospects that farmers will vote against marketing quotas for wheat when a referendum is held this summer. Should marketing quotas be voted down government support prices will drop to 50 per cent of parity.

* * *

CATTLE EXPORTS—Exports of cattle for breeding purposes amounted to 2,714 head in January of 1955 as compared to 733 in 1954.

* * *

COLD STORAGE HOLDINGS—Beef stocks in cold storage were down to 142 million pounds by March 31, 1955 or 18 per cent less than a year earlier.

* * *

PARITY PRICES—Effective parity prices for beef cattle on March 15, 1955 were \$21.40 per cwt., up 20 cents from same time a year earlier.

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**Puts More Strength
in Every Mouthful of Grass**



FIND OUT HOW *Occo* SAVES YOU MONEY

Simply do this. INVESTIGATE THE OCCO RANGELAND PROGRAM. If the rumen bacteria are working full blast, there's all the protein your cattle need right on your range. And OCCO keeps the rumen bacteria working at top speed! When your cows or steers swallow this protein-laden range, those OCCO-FED rumen bugs

literally rip apart tough fibres, freeing this rich protein for use by the animal. In nearly every case, this is *all the protein your stock needs*. So, why buy high-priced protein concentrate? At most, your stock only need a cheap single protein, like cake or meal . . . **IF . . .** they're range-fed with the OCCO program.

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**"SON, WE'RE
BOTH DOING
BETTER ON
MOORMAN'S
MINERALS!"**



"That's because MoorMan's contains all the minerals range cattle are known to need. And here's what those balanced minerals do for us.

"First of all they help us build more meat and bone out of the grass and forage we eat by helping us keep our digestive systems in better shape. Then, along with that, minerals help me give you a better flow of milk.

"And I'm certain that your bones, and mine, too, are stronger and sturdier than they would be without MoorMan's Minerals in our diets. That all adds up to faster growth and a better all-around deal for the boss."

Because MoorMan's Range Minerals do such good work, they are low in cost. Only ½c per day will feed a cow. MoorMan's Range Minerals are designed specifically for range cattle—contain

12 balanced minerals—all the minerals cattle on range are known to need.

MoorMan's Range Minerals come in two forms—GRANULAR, to prevent waste from washing and blowing (packed in 50 lb. bags)—and BLOCKS that weigh 50 lbs. each. Many cattlemen use a combination of both.

**ASK YOUR MOORMAN MAN ABOUT MONEY-
SAVING CONTRACT PRICES.** Or, if a MoorMan Man isn't available write, wire or phone Moorman Mfg. Co., Dept. B-55, Quincy, Illinois.

MoorMan's*

(Since 1885—70 Years of Friendly Service)

**MINRATES, MINERALS
and Parasite Control Products**

*Trademark Reg. U. S. Pat. Off.

SPECIAL RANGE MINERALS FOR ALKALI AREAS. IN ALKALI AREAS where complete minerals are needed, but the appetite lessened by alkali salts in water or forage MoorMan's have developed a SPECIAL RANGE MINERAL containing a palatability agent to induce proper consumption.



The American Brahman bulls shown above are on their way to the loading docks of the Port City Stockyards at Houston, Texas, from where they were trucked to Galveston docks for shipment to the Republic of Venezuela by steamship.

U. S. Brahman Breeders Benefiting From Rapidly Expanding Foreign Trade

Most South American Cattlemen Want Top Quality Registered Cattle—Colombia Largest Foreign Buyer, Venezuela Next and Cuba Third

By ROGER B. LETZ

DURING the past two or three years Brahman breeders in the United States have felt the benefits of a rapidly expanding foreign market for their cattle. Buyers, particularly from South America, have either personally visited breeding establishments or sent their agents to purchase record numbers of top quality breeding stock for export.

This new market came at just the right time because many Brahman breeders, as most all cattlemen, have been faced with problems caused by an extensive drouth and a related reduced demand which caused lower prices to be paid for cattle in this country.

The South American buyers, as a general rule, want registered cattle of the best quality. After exportation these cattle are used as foundation stock to improve the native cattle of the buyers and in some cases they are used as the foundation of registered herds that are being started in South America.

The great majority of the cattle being

purchased in this country by foreign buyers are registered Brahmans. Some buyers are purchasing other beef breeds and others are taking a number of dairy cattle.

Last year saw the largest volume of cattle to leave the United States for foreign markets. One estimate is that during 1954 about 15,000 cattle valued at eight million dollars were exported. The American Brahman Breeders Association with headquarters at Houston accounts for about 4,000 registered cattle and about the same number of grade Brahmans that their members sold to foreign markets during 1954. The Pan American Zebu Association reports that more than 800 head of Brahmans belonging to its members were exported last year.

Colombia is the largest foreign buyer of Brahman cattle. Next in line is Venezuela, followed by Cuba, Thailand, Mexico, Costa Rica and Guatemala. Small numbers of cattle have been sent to many

countries, but the large percentage of them go to Colombia and Venezuela. Most of the cattle are purchased from ranchers in Texas, Florida and Louisiana.

Of all the buyers the Colombians demand the highest quality. They want them well fitted, halter broke, and have paid top prices for what they bought. Individual Brahman breeders with some of the country's top herds have reported prices as high as \$10,000 for a bull and group sales involving as much as \$50,000 in one transaction with Colombian buyers.

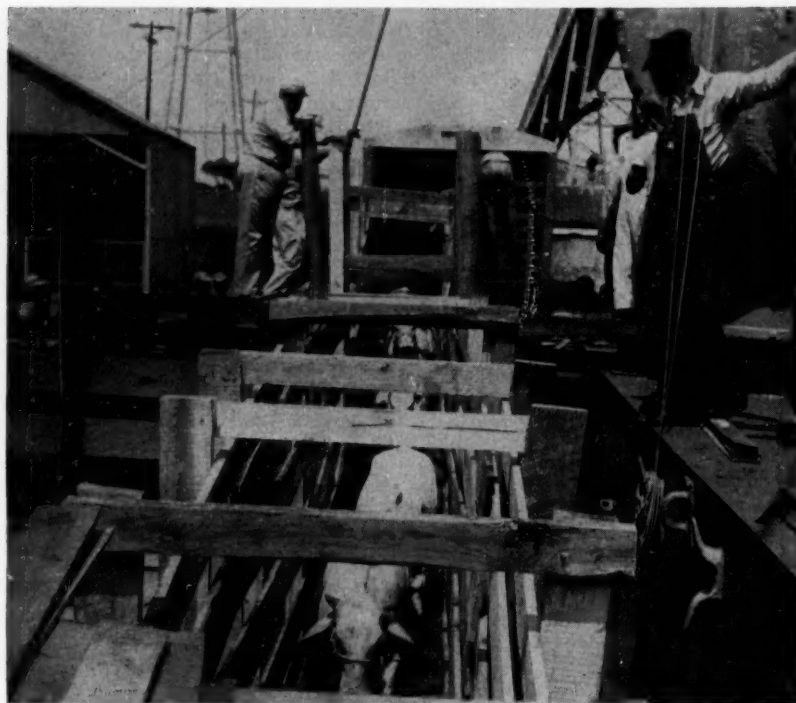
Venezuela began a purchasing program of Brahman bulls and females in October, 1954 with the intention of buying 3,000 bulls immediately. By January of this year they had purchased 1,300 and bought 800 more the next two months. This kind of demand caused a shortage of the type of bulls their buyers wanted so the government had to temporarily delay the purchase of the remainder of the 3,000 head. The government of Venezuela has announced plans to buy 3,000 head of cattle each year until they have purchased 12,000 under their cattle hybridization plan. Under this plan their government will sell bulls to cattlemen in Venezuela at cost as an inducement to herd improvement. In addition to making better breeding stock available to their cattlemen the government has also promised stockmen technical assistance, new equipment and facilities, and long-term credit, making it easier for the cattlemen to buy American herd sires.

As a general rule buyers from Venezuela do not pay as high prices for cattle as do those from Colombia. However, they do purchase some of the better cattle, but do not demand they be as highly fitted or halter broke as do the Colombians.

American Brahman breeders have found foreign buyers to be good traders that know what they are looking for. They have the money to pay for what cattle they buy but are not inclined to pay more than the cattle are worth. Most of the high priced sales American breeders have made represented the sale of top breeding stock which is scarce and very well worth the money paid for the animals. Registered Brahman cattle in the United States are not as plentiful as many might think and in some cases breeders have cut deep into their breeding herds to supply the demands of foreign buyers. In these cases prices were high because the buyer wanted the best. Good young bulls have sold from \$300 each up. The Pan American Zebu Association handled 471 cattle in 1954 which sold for an average price of \$475. This, of course, included females as well as bulls. In many cases the buyers want baby calves, before weaning time. This decreases transportation costs resulting in lower total cost to the buyer.

After the cattle are purchased from breeders in Texas, Florida, Louisiana and other states the usual procedure is for the buyer to provide transportation at his own cost. The cattle are exported by water and by air from several ports along the Gulf Coast area.

Ships leaving Houston, Galveston and



Brahmans from Pecan Acres Ranch, owned by Vernon Frost, Houston, being loaded aboard ship at Houston for shipment to buyers in Thailand.

other ports have carried many cattle to foreign countries. If a buyer exports by air he usually elects to transport the cattle by truck from the ranch where the purchase is made to an aerial port in Florida. Airline schedules are such that this arrangement is the most economical to follow. The Pan American Zebu Association estimates costs at from \$200 to \$250 per head by air from Florida to Colombia, including the cost of trucking from South Texas to Florida. Two to three days time are required for the truck trip and eight to 12 hours by air from Florida to Colombia.

The bulk of the export business on Brahman cattle has taken place during the past couple of years but in reality it has been decades building up. Among the first exports of American Brahman were

those of the Ward Cattle Company, San Antonio, Texas. This ranch, managed by J. W. Sartwelle, and the late R. E. Thompson of Wilson, La., were sending Indian type cattle to Cuba in the 1920's. Later, the Sartwelle brothers of Palacios acquired the Ward cattle and they continued trading with buyers in Cuba.

In 1930 the late Walter J. Hudgins of the J. D. Hudgins Ranch, Hungerford, Texas, is reported to have shipped a carlot of Brahman bulls to Cuba. About that same time the late Dr. William States Jacobs began to export cattle to Cuba and in the Cattlemen's Palace, Havana, Cuba, today there hangs a plaque commemorating Dr. Jacobs' contribution to the improvement of the Cuban cattle industry. With these early exportations from leading herds in the United States a foreign business came into being. In recent times foreign countries have obtained funds with which to buy more cattle and have in many cases established a cattle improvement program in which the government aids cattlemen in getting better breeding stock.

In 1954 members of the American Brahman Breeders Association from the United States sent 56 of their best herd sire prospects representing the top of their herds to Cuba. These bulls ranged upward in price from \$2,500 each. In addition, 42 top Brahman heifers were sent to Cuba, which now demands the best in quality. Cuba has changed from a meat-hungry, milk-starving country to a nation of balanced agriculture and a plentiful supply of red meat and milk. The country has a sufficient number of good cattle which are in some cases in

competition with American breeders who exported the first Brahman to their country in the 1920's. The ABBA reports that 90 per cent of the beef cattle in Cuba have 75 per cent Brahman blood or more.

The Australian export market has been a modest one for American Brahman breeders because of a general shortage of dollars and purchasing power in that country, and because of the cost of transportation. They do, however, buy a few outstanding heifers and herd bull prospects each year.

At the present time Argentina and Uruguay are the only surplus meat producing countries in South America. Argentina is not surplus-producing enough to live up to her commitments to Great Britain. Colombia, Peru, Paraguay, Venezuela and Brazil are red meat-deficient countries.

Many of these countries, such as Costa Rica, Colombia, Nicaragua, Guatemala, Brazil and others are one-crop countries. In Colombia the one money crop is coffee. When the coffee market changes, the peso in Colombia changes in value. Colombia wants cattle for a cash crop because they have plenty of water, sunshine and grass. They want to grow cattle and export beef, thereby adding another cash export crop to help stabilize their economy.

Recently the Brazilian government rocked the world coffee market by threatening to turn loose a surplus accumulated in that country. This resulted in a drop in the price of coffee and reduced the purchasing power of Colombia, for example, in the United States by millions.

Some United States observers say that Latin-American countries need U. S. capital to help develop their resources. Estimates are that a man can set himself up in a sound ranching operation for \$25,000. Many of the countries are getting their laws in order to attract foreign capital and are doing their best to interest foreign investments.

Cattle authorities in the United States estimate that the cattle export market



J. T. Garrett, Brahman breeder of Danbury, Texas, center, in the process of selling a bull to Dr. Ramono Orlich, director of the government experiment station at San Jose, Costa Rica, while Sr. Gilberto Barrantes, left, looks on.



Young Stephen Clyburn says goodbye to an American Brahman heifer at the Galveston, Texas, docks before the animal boards a ship to Venezuela.

will continue at about its present level or expand slightly for the next 10 years. American breeders are following the practice of giving their foreign customers good cattle at a fair price with the thought in mind of keeping the buyers happy and satisfied so they will buy more cattle in the future. Many breeders have pleased buyers so well that they can now sell cattle by mail. Under this arrangement the foreign buyer simply writes an American breeder about what he wants to buy. The breeder sends back pictures, pedigrees and prices. Then he gets an acceptance of the order and ships the cattle without the buyer ever having seen them. Trading like this indicates that both buyer and seller are satisfied which leads observers to predict a continuing foreign cattle business for years to come.

One thing that has done much to stimulate the interest of foreign buyers in American cattle has been recent promotions of fairs and livestock expositions in Texas and other parts of the South. The State Fair of Texas has been especially active in promoting foreign buyers and as a result of their efforts many buyers have made trips to see the fair and while in Texas visited herds and bought cattle. The Houston and San Antonio livestock shows have also been active in attracting the interest of foreign buyers by inviting them to participate in events connected with their shows. Numerous trips to South America have been made by people interested in stimulating the foreign export business and results of these goodwill promotions have been excellent. The first of these was made by a group representing the State Fair of Texas in 1953.

Dr. Lloyd Clyburn, director of information for the American Brahman Breeders Association, observes that breeders who have sold their cattle successfully for export have done so by the use of an effective advertising and merchandising plan. Clyburn makes the following sug-



Brahman herd of the Inter-American Institute of Agricultural Sciences at Turrialba, Costa Rica. Dr. Jorge De Alba is shown in the picture feeding the cattle. Photo by G. L. Artecona.

gestions for breeders to use in building up an export market:

Continue to improve your cattle by conscientious culling and selection. Don't sell an animal you are ashamed of.

Feed your sale cattle in order that they may show themselves to your best advantage.

Show your cattle. No breeder is too small to make his county show. The state show is not as impractical as it may seem. You build a reputation by showing your cattle.

Advertise your cattle. Advertise in at least the commercial cattle magazine serving your state and area. Many of our foreign prospects read your cattlemen

magazines closer than you do. Let them know you have good cattle for sale. You build a local reputation, also, by advertising. Advertise in the publications in which you want to sell your cattle.

Visit the countries in which you wish to sell, if possible. Meet your prospects and invite them to visit your ranch.

Have a brochure or other direct-mail piece printed in both English and Spanish, which accurately but favorably presents your cattle.

Build a mailing list of prospective customers in the various countries in which you wish to trade. A good mailing list is priceless, and it cannot be bought or built overnight.

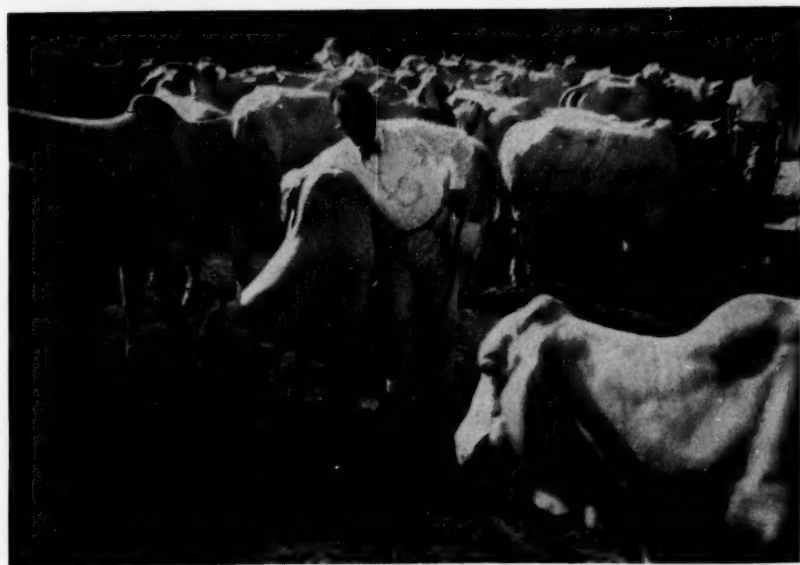
Don't fail to make use of your prospect list. Mail out your literature as you have it printed. Write a special letter to the list inviting prospects to visit your ranch in connection with other special events such as livestock shows that may add to the incentive of visiting the United States.

Get the prospects on your property. Arrange to meet them, or otherwise provide transportation from the nearest international airport to your ranch. Then, arrange for them to make the proper connections to the next man's ranch, or wherever else they want to go.

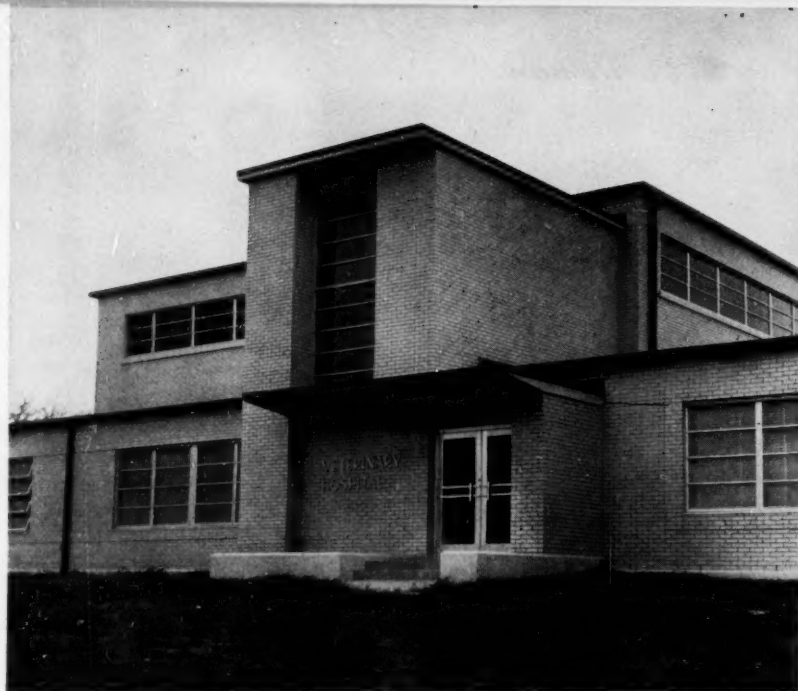
Price your cattle reasonably. Don't give them away, but don't be afraid to give a bargain occasionally. It builds confidence in your personal integrity. Your buyer wants to feel that you are his personal friend.

Get your brand on good animals of your raising walking in the countries you want to sell.

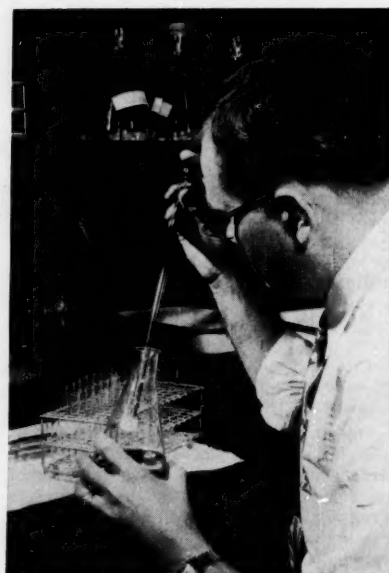
Hold your customers. It has become quite a typical pattern for a man to have bought two bulls from a breeder here four years ago, ten bulls from the same man two years ago and 100 from him this year.



Sebastina Mendez Victoria with his herd of American Brahman cattle at Agua Dulce, Panama. Photo by G. L. Artecona.



The new hospital, occupied more than a year, had around 12,000 patients the first 12 months. Cases are referred to the college's veterinary medicine department from all over Texas. Most treatment is done by advanced students.

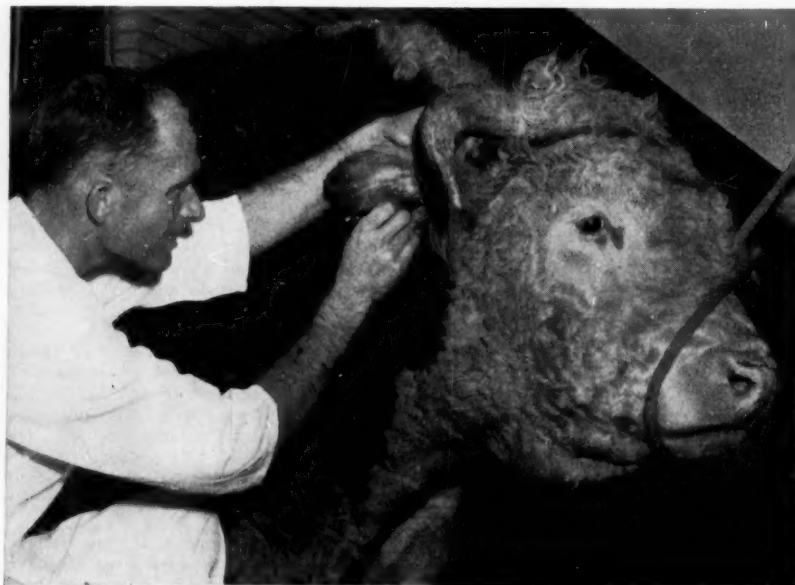


Staff members supervise treatment. This one, a serologist, attempts to diagnose illness from sample of animal's blood.

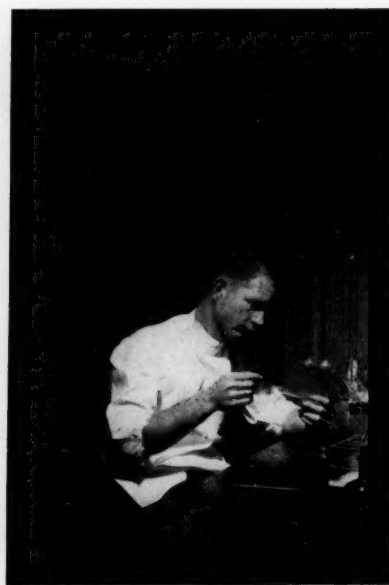
A New \$750,000 Hospital Where Veterinarians Train

At Texas A & M's New Veterinary Hospital, Students Get Clinical Experience By Treating Thousands of Patients From All Over Texas

Reprinted from Humble Farm Family



Ear ailment having been treated, a student checks a valuable bull to see whether treatment was effective. Hospital had 7,000 large animal patients (like this bull) last year and 5,000 small animals, such as dogs and cats.



Bacteriologist, a staff member, seeks identity of a virus by injecting it into living animal tissue in a test tube.



Test material containing unknown virus, which has been increased inside eggs, is removed by student. He will test for identity of the virus, while a staff member watches.

YOUNG men of Texas who set out to be veterinarians usually head for Texas A and M College, which has the only veterinary medicine school in the state—one of just 17 in the nation. The school's facilities have recently been vastly increased with the addition of a new \$750,000 veterinary hospital, among the best-equipped anywhere. Headed by Dr. W. W. Armistead, dean, a staff of 31 turns out from 60 to 90 veterinarians each year. All fifth and sixth year students get their clinical training

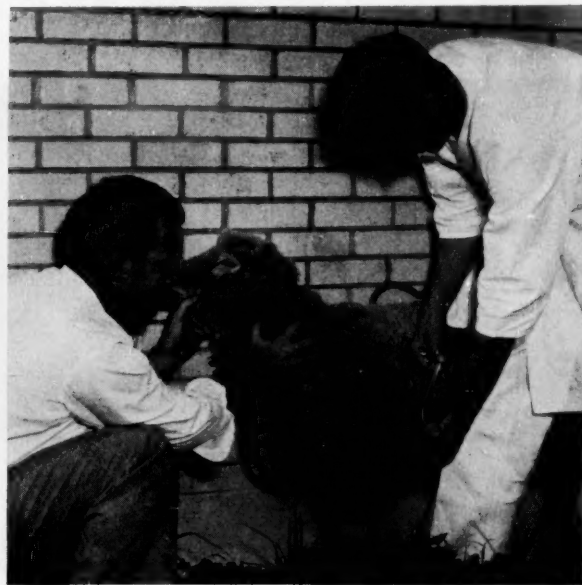


Use of X-ray in diagnosing animal illness is taught student by staff radiologist. Any research undertaken in the hospital is done on college animals, not outsiders' patients.

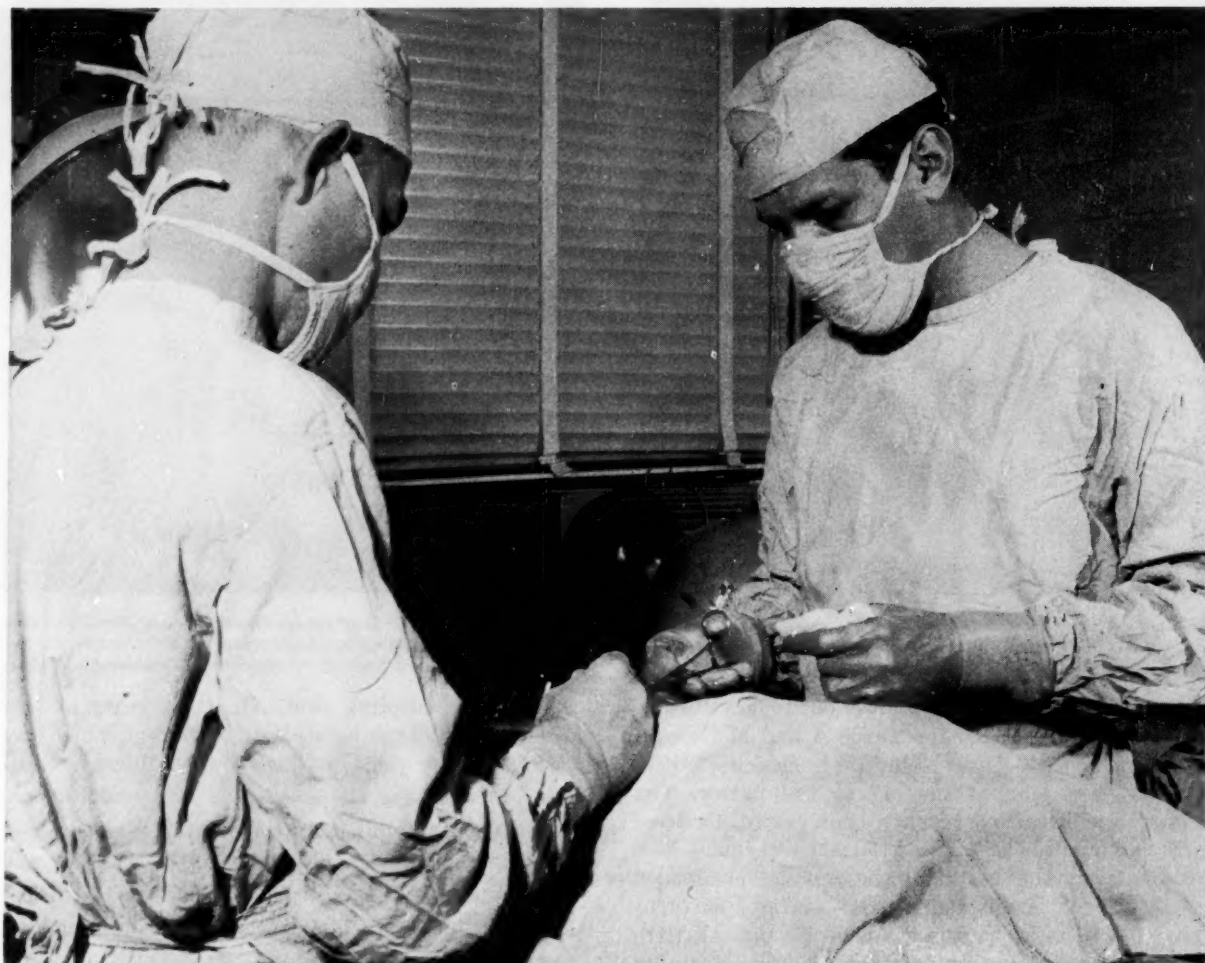
at the new hospital. And after two years of this work the students have dealt with practically any animal health problem likely to be found in outside practice—for the hospital is now handling patients at the rate of more than 12,000 a year. Cases are referred to the school from all over Texas, and 98 per cent of the treatment is done by advanced students under staff supervision, as shown in the pictures on these pages.



Examining tissue, student confers with staff pathologist. Animals as well as humans have cancer, and this tissue specimen is from an animal tumor suspected of being cancerous.



Crippled foot of a ewe gets attention from a young man who will soon be a practicing veterinarian. As in all treatment, a staff veterinarian stands by. (Continued next page)



Surgical training of a senior student is carried out here in a setting which would seem to do justice to a human hospital. The patient in this case is a small dog. Staff mem-

bers made it clear that the animal was not being dismembered for study, as is sometimes supposed. Surgery on all patients is aimed at making the animals well and healthy.



Injured eye of a horse is examined. Old hospital, though well equipped, was inadequate to train increased enrollment in face of veterinary medicine advancement. Students now even see atomic energy employed (last picture).



Geiger counter used to determine amount of radio isotopes which have settled in tumor of dog which has leukemia.

U. S. Cattle To Improve South American Herds

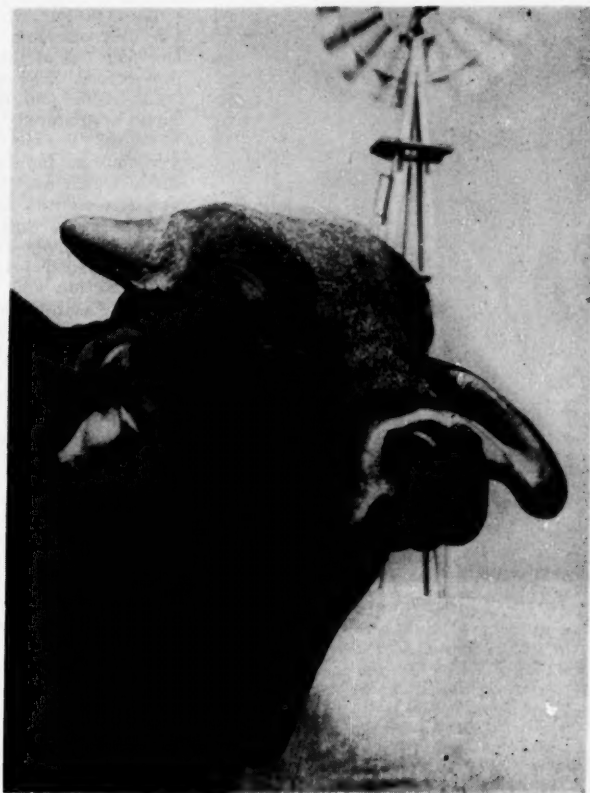


**Last Year 15,000 Head Valued at More Than
Eight Million Dollars Were Shipped
South of the Border**



By GROVER J. SIMS*

Reprinted from Foreign Agriculture—U. S. Dept. of Agriculture



The United States Brahman, developed for the humid areas of our southeast, is one of the breeds favored by South American cattlemen to increase beef production.

UNITED STATES breeders of cattle for warm climates are selling more and more of their product in Latin American countries. Last year 15,000 head valued at more than \$8 million moved to far-flung points south of the border—a considerably larger export than in the year before and the largest since 1946.

Colombia, Venezuela, and several other Latin American countries obviously are on the threshold of a new era of livestock raising. These nations want to diversify their agriculture. Too often they have seen the distress that accompanies a fall in the price or a failure of an important crop—coffee or cacao, for instance—and they wish to spare their economies from the effects of one-crop farming.

They also want to improve the living standards of their people. As South America has become more industrialized, its beef surplus has tended to decline. Its population is increasing rapidly, and in many parts of the continent the standard of living is rising fast; both circumstances make strong incentives for increasing livestock production. South America's long-time role as an important supplier of beef for deficit areas of the

world seems to be on the wane: Argentina and Uruguay are now the only surplus-beef producers of any importance; and many countries such as Colombia, Peru, Paraguay, and Brazil, which formerly were large exporters of beef, are finding it difficult to produce enough to fill the expanding needs of their own people. In fact, in a few years the beef importers of the world may not be able to buy beef in Latin America and may have to look to Africa as a new source.

The cattle that Latin America received from the United States in 1954, many of which were high-class bulls, included several breeds. Chief among them were the United States Brahmans, the Santa Gertrudis, the Charbray, the Brangus, and the Beefmaster, all of which have been developed to meet the particular needs of cattle producers in the humid areas of southeastern United States. The great increase in the number and productivity of cattle in these areas in recent years is evidence that these special breeds will meet the rigid requirements in the subtropical and tropical regions of Latin America.

All these breeds contain Brahman blood and so are able to endure high temperatures. All have been bred for large size to offset the tendency of cattle in warm climates to become smaller with each new generation. All are disposed to graze the year around and to

be good rustlers when grass is dry and water is scarce. And all are resistant to cattle ticks and the other parasites and pests that are so difficult to control in the Tropics.

United States Brahmans are a breed specifically tailored for southern cattlemen. The Brahman, or the Zebu (*Bos indicus*), was originally a native of India; but eventually several kinds, including Nellore, Guzerat, Krishna Valley, and Gir, were brought to the United States, and in about 1910 they were beginning to be used on a few scattered ranches in Texas. They were not retained as pure breeds but were crossed with each other and with range cattle of European origin (*Bos taurus*). Out of these combinations has evolved a new type of Brahman, an animal so changed and improved by years of selection and breeding without the introduction of foreign blood that now it can almost be considered of United States origin. It is usually gray in color, is of excellent beef conformation, and has retained the Zebu characteristic hardness under unfavorable tropical climate.

Santa Gertrudis cattle were developed on the King Ranch in southwest Texas from a cross between beef-type Short-horn cows and beef-type Brahman bulls. Breeding between these species started in 1910 and continued for approximately 15 years. After 30 years of following a well-defined plan of selecting, inbreed-

*Mr. Sims is Agricultural Economist, Livestock and Livestock Products Branch, FAS.



Purebred cattle from the United States are moving to South America in ever-growing numbers. Last year, U. S. breeders' sales south of the border totaled 15,000 head valued at approximately \$8 million.

ing, and line breeding, breeders of these red cattle finally succeeded in fixing the characteristics sufficiently to win recognition of the breed by the United States Department of Agriculture in 1940. It was the first distinctively American breed of cattle to be so recognized. The Santa Gertrudis is a large beef animal; on pasture, many mature cows attain a weight of 1,600 pounds and mature bulls, 2,000 pounds.

A cross of the Charolaise and the Charbray, which has some of the characteristics of each parental breed. The Charolaise breed first established itself at the start of the 18th century on the meadows of central France and has since extended itself throughout all of that country and to foreign lands. In their native home, Charolaise cattle graze on pasture most of the year with little supplemental feed in winter. Most of the various Charolaise bloodlines in the United States have been developed from cattle imported during 1936 to 1942 from the herd of the late Juan Pugibet of Mexico City.

In order to qualify for registry as Charbray, the animals must have at least one-eighth and not more than one-quarter Brahman, and the remaining fraction must be Charolaise. Their coloring is usually a creamy white. They are horned and give almost no evidence of the Brahman hump but do show signs of the dewlap and have some excess skin in that region. They are large cattle and produce vigorous, fast-growing calves. Because of their desirable grazing habits and the ease with which they can be handled, they are being used extensively in the South and West for crossing with other cattle.

The Brangus, which is a cross between the Brahman and the Aberdeen-Angus, has been one of the most popular breeds for export. The name is a registered trade name and can be used only for cattle registered with the American Brangus Breeders Association. This Association, founded in 1949, registers cattle which are three-eighths Brahman and five-eighths Angus. They are black and hornless, smaller than either the Santa Gertrudis or the Beefmaster, but well regarded because of their blocky conformation and early maturity.

The Lasater Beefmaster is another popular type for export to Latin America. The animals that go by this registered trade name were developed by the late Edward C. Lasater of Falfurrias, Texas, and his son Tom. It is estimated that the Beefmaster contains half Brahman, one-quarter Hereford, and one-quarter Shorthorn. The Lasaters have stressed the six principal characteristics of the breed: Disposition, fertility, weight, conformation, thriftiness, and milk production. They have tested the progeny to develop better growth characteristics. While no color requirements have been established for the Beefmasters, they are usually dun, brown, reddish brown, or red. They may have some white extensions and a few spots of the darker colors. Coming from large parents, they are of course relatively large cattle; many mature bulls on pasture weigh as much as a ton.

Many countries in Latin America are receiving cattle of these breeds from the United States. Chief of these, in the order of number imported in 1954, are Venezuela, Colombia, Mexico, Cuba, the Dominican Republic, Brazil, Costa Rica,

Guatemala, Argentina, Ecuador, Nicaragua, and Panama.

In Venezuela, for example, about 1,300 pedigreed Brahman bulls from Texas have arrived in port cities since last November. They are the first of 5,000 head which the government is purchasing this year under its cattle-hybridization plan. This plan is expected to continue for a number of years on a similarly large scale; under it, the government is offering farmers credit to encourage purchases of the new stock.

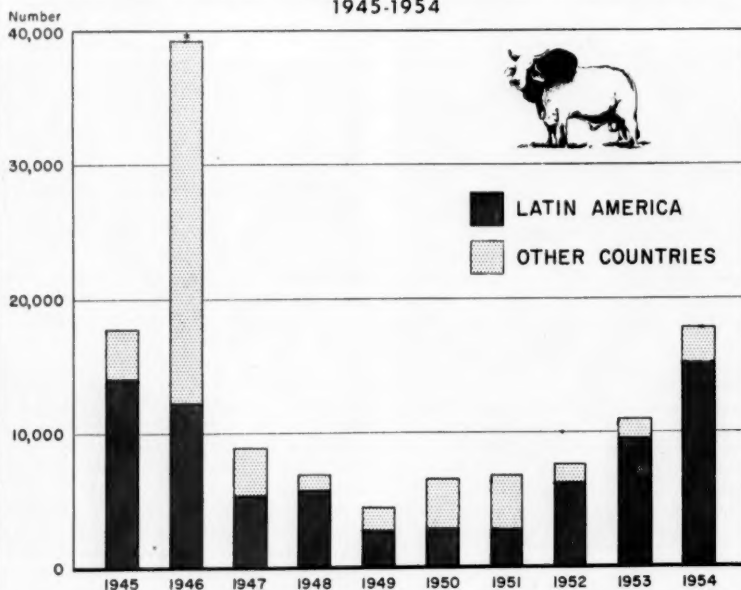
Colombia is another country that is giving increased attention to the introduction of better stock. During 1954 it imported more than 4,000 head of breeding cattle from the United States. And it has taken several measures during the past year to expand production and to improve the quality of the local stock.

For one thing, it is making improvements in the credit facilities available to the livestock industry: it has established more livestock departmental credit associations; and it is providing larger loans with more attractive terms, especially for the importation of breeding stock, for which a long-term loan for as much as 100 per cent of the value of the imports is available. Lending agencies in Colombia, however, are themselves in need of further credit for the project; and sources are being explored. Two of the semi-official banks of the country are willing to guarantee repayment of loans to the Colombian cattlemen if such loans can be obtained from private banks in the United States or from the Export-Import Bank.

The Colombian government is also making tax concessions to encourage im-

UNITED STATES EXPORTS OF BREEDING CATTLE

1945-1954



* Exports in 1946 were unusually large because in that year the United States sent 26,000 head to European countries to help rehabilitate their livestock industries after the war.

U.S.D.A.

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ports of breeding stock, and is itself purchasing purebred animals for resale to colonists. It also has considered plans for large-scale imports of commercial heifers and is planning to establish a national federation of livestock producers with enough capital and authority to make a substantial contribution to the development of the industry.

There is a need in Central and South America for a dairy cow that will withstand the adverse climate there and still "fill a bucket." For those areas, animal breeders have not yet produced dairy cattle that have the perfection of breeds used in the United States. In countries like Ecuador and Peru, dual-purpose, or milk-and-meat, types of cattle are popular, especially at the higher elevations. To develop such types, the Brown Swiss and Holsteins have been used extensively for crossing on the Criollo, or native strains. Crosses between Criollo and Holstein, Criollo and Brahman and Holstein, and Criollo and Brown Swiss have been among the most adaptable types on the coastal plains of Colombia. In much of Latin America, cattle are used extensively for work and thus must be not only dual-purpose but triple-purpose as well.

Practically all of the cattle shipped to Latin America in the past few years have been sent by private individuals. However, programs of the Foreign Operation Administration (FOA) have financed the sale of a few select breeding animals to several areas; in selecting the types desirable for export, FOA has been assisted by breed associations and others. Inspectors of the Agricul-

tural Research Service of the United States Department of Agriculture examine all animals to be exported and verify that they are free from transmissible diseases. They also prescribe the manner in which the animals will be loaded and the conditions under which they will be transported to assure that they will receive humane treatment and adequate feed and care en route.

Shipments of a few head may often be sent advantageously by air. Some of the cattle move from airports near the ranches to port inspection centers and then directly to their destinations without unloading en route. Large shipments go by boat.

The Foreign Agricultural Service, through the combined efforts of its agricultural attaches and its Washington staff, has been instrumental in directing would-be purchasers of cattle to sources of supply in the United States and in putting breeders in the United States in touch with prospective buyers abroad.

The tropical and subtropical regions of Central and South America have considerable potential for increased production of beef, and it is believed that, inasmuch as most of the increased production could be consumed domestically, the cattlemen in Latin American countries would not in the foreseeable future become substantial competitors with cattlemen in the United States. Sale of breeding stock to these countries, therefore, would seem to be advantageous to United States producers, not only in offering outlets for excess breeding stock but in contributing to the pros-

perity and purchasing power of our neighbors. It points up the fact that the agricultural interests of two countries can trade together to the mutual advantage of both.

Brahman Cows 15 Years Old Still Producing Calves

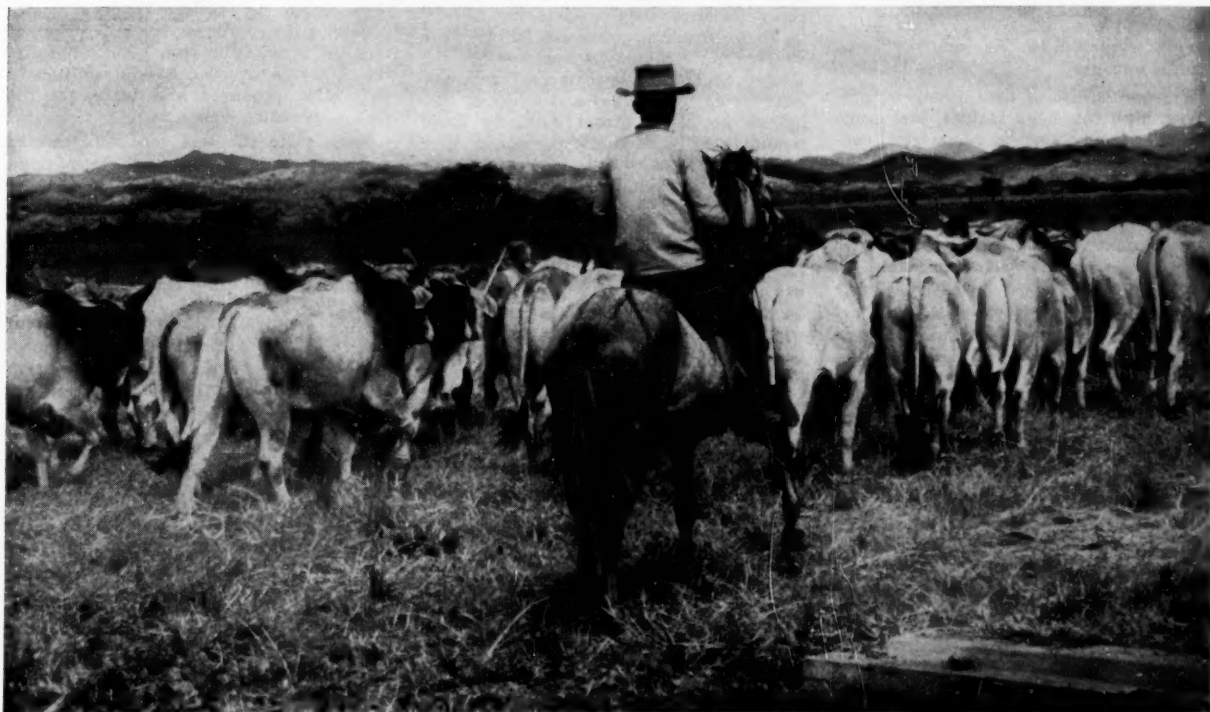
OF the American Brahman cows purchased from the Sartwell Brothers Ranch of Palacios, Texas, and exported to northern Argentina in 1942, all ten are still living and producing.

F. H. Finch, manager of a large cattle company at Estancia "Garruchos," Provincia de Corrientes, Argentina, told of these cows while visiting the American Brahman Breeders Association headquarters in Houston recently. They are in his herd.

In spite of the roughest of environmental conditions the ten American-born Brahman cows have given an average calf crop of 80 per cent per year. Two of the cows have calved every year, Finch said. They are all fifteen years old.

Finch was the first to introduce Brahman cattle to Argentina. With the use of Brahman bulls he has reduced the mortality rate among his cow herds from a high of 14 per cent annually to less than 1 per cent now. He has also increased the calf crop from 45 per cent up to a present 80 per cent annually, he told ABBA officials.

This ranch brands slightly over 10,000 cattle annually.



United States Brahman on their way to a Venezuelan pasture. The Venezuelan Ministry of Agriculture plans to import from United States breeders 5,000 of these animals a year.

Beef Cattle Selection Based On Performance



Some Questions and Answers on the Value of and Need for a Better Method of Measuring and Determining Beef Production



By J. C. MILLER, Head Department of Animal Husbandry,
A&M College of Texas

EVERY beef producer is fully aware of the need for finding ways and means of cutting production costs. Rising costs of labor, machinery, fencing, feeds, fertilizers, gasoline and all other production items have forced inefficient producers out of the cattle business and narrowed profit margins to the vanishing point even among the better operators. Practical means must be found for producing beef at current market prices, with a fair margin of profit, if the industry is to remain solvent.

Widespread use of feed additives, pre-mixes, high roughage rations, low grade roughages and countless commercial concoctions reflect producer efforts to find ways of cutting costs. Some of these will prove to be useful, others are still in the experimental stage. Future research in ruminant nutrition will doubtless give cattlemen tools not now available on how to further reduce feed costs.

Education through research and extension activities has contributed a great deal toward reducing livestock losses

from parasites and diseases and to the prevention of mineral and vitamin deficiencies by proper supplementation.

Need for More Productive Cattle

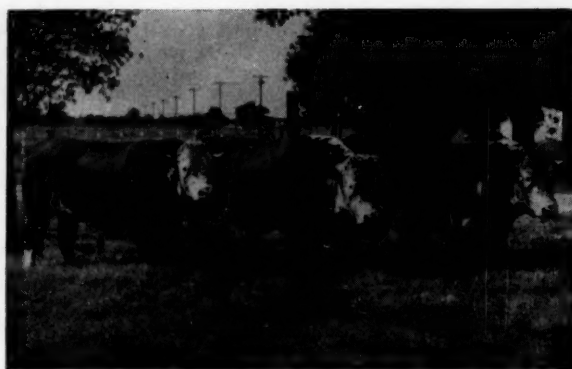
Perhaps the greatest need, and certainly the greatest opportunity for increasing efficiency in modern beef making, is offered by a selection program based on performance, i.e., performance of the animals themselves under the system of management found best suited for a given area. Conventional methods of selecting on the basis of eye appeal have probably given us about all we can expect in the way of improvement.

Poultry producers and dairymen discovered years ago that egg laying and milk yields were not correlated with the characteristics they were selecting for in their breeding programs. Since 1940 yearly egg production per hen in the United States has been increased 38 per cent (from 134 to 185) and milk per cow by 19 per cent (from 4,622 to 5,500 pounds) by systematic breeding programs based on records of performance of egg laying and milk yields rather than eye appeal.

Beef cattle producers, both purebred and commercial, can do what poultrymen and dairymen have done if they will use the same tools. True, results cannot be expected as rapidly as can be gotten with poultry, but it will be easier with beef cattle than with a dairy enterprise.



J. C. Miller



Hereford bulls which were high gainers in the evaluation tests. They gained 20, 27 and 40 per cent, respectively, above the average of all Hereford bulls on test with them. They are now in service at Bluebonnet Farm.

Performance and Progeny Testing

Perhaps a brief report of the background work and some of the results will be helpful in gaining a clearer picture of the meaning of performance and progeny testing.

Beef cattle improvement investigations were started by the Texas Agricultural Experiment Station at Balmorhea, Texas, in the fall of 1941. The work was expanded to other substations, including Bluebonnet Farm in 1949 and PanTech farms in 1950. This project is conducted cooperatively with Texas Technological College, Texas beef cattle breeders and the United States Department of Agriculture. In the 14 years of work, over 3,800 young bulls, heifers and steers have been tested for ability to gain. These young cattle represent the off-spring of over 250 herd bulls from about 100 different farms and ranches in addition to the cattle produced and tested in the station breeding herds.

Each year the test locations receive a large number of young cattle from Texas breeders. A sire group usually consists of three to six bulls or heifers by one sire. However, a breeder may enter from one to 12 head per sire if he so desires. Sire groups are encouraged but single individuals may be entered since the individual's record is important and useful in selecting herd replacements. These calves must be between seven and 13 months of age when received between November 1 and December 1 for the start of the tests. They are self-fed a growing ration for approximately five months. The growing ration is basically the same at all locations but may vary slightly because of differences in price and availability of certain feeds. The ration generally consists of about 35 per cent concentrate feeds, including cottonseed meal and grain, and 65 per cent dry roughage, including cottonseed hulls, ground Johnson grass hay or sorghum fodder, and alfalfa hay.

The calves remain the property of the breeders who pay for the feed and feeding. For the past three years, the co-operating breeders at PanTech Farms



Test pens at PanTech Farms, Panhandle, Texas. Gain evaluation studies were started here in 1950.

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Clostridium Chauvei-Septicus Pasteurella Bacterin Alum-Precipitated

**TRIPLE-VACCINATES AGAINST
SHIPPING FEVER • BLACKLEG • MALIGNANT EDEMA**

One injection against three major cattle diseases—shipping fever, blackleg, and malignant edema. With TRI-BAC you're sure you are safe against *all three*. By using this single, triple-purpose vaccination you get dependable protection against these profit-stealers—and you save time, money and labor in your vaccination program.

Vaccinate *all* healthy stock—and do it early!

Also recommended are: BLACKLEG HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) B.H.[®] BACTERIN Lederle for use in the prevention of blackleg and shipping fever, BLACKLEG BACTERIN (Alum-Precipitated) Lederle for use in the prevention of blackleg, and HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) Lederle for use in the prevention of shipping fever.

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Using TRI-BAC, the cost per vaccination is about the cash value to you of one pound of the animal's live weight. Don't save pennies by not vaccinating and lose dollars to disease!

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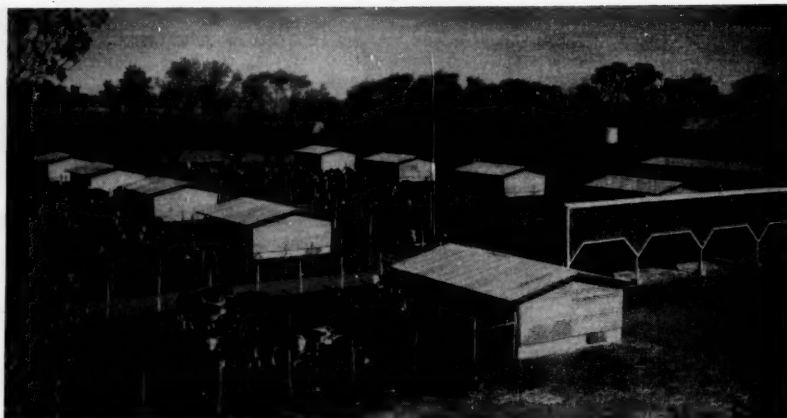
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For information about the
Texas and Southwestern Cattle Raisers
Association contact
Henry Bell, Secretary
410 East Weatherford, Fort Worth.



Performance and progeny test pens at Balmorhea, Texas. About 2000 young breeding cattle have been tested here. Cooperative testing with breeders of young beef breeding cattle originated here in 1942.

have sold most of the bulls in an auction sale held at the end of the test.

To obtain additional information, high and low-gaining bulls have been mated to randomly-selected groups of cows at PanTech Farms and at the Barnhart Station. Records of the weaning weights of all the calves have been kept. Due to drouth conditions, it has not been possible to keep all the calves after weaning. Weight records on heifers at 12 and 18 months of age and steer gains in the feedlot are on a limited number. The heifer calves retained after weaning have been those with the heaviest weaning weights, and an equal number were selected from the groups sired by high and low-gaining bulls.

Slaughter studies, carcass evaluation, cooking and palatability tests have been conducted at Texas A&M College on representative sire groups of steers following feedlot performance tests at Bluebonnet Farm.

The following questions and answers based on results of 14 years of testing may clarify certain phases of the work.*

Questions

- Q 1. Do beef cattle of similar age and quality gain the same when self-fed the same ration for long periods of time?
- A 1. Not necessarily. There are large differences in the gain of such cattle even though they are self-fed the same ration.
- Q 2. How much variation is found when such cattle are self-fed for 140 days?
- A 2. Variations of one pound a day or more have been found each year.
- Q 3. What is the cause of these large variations in gain?
- A 3. From information to date, these differences are primarily due to inherited ability to gain.
- Q 4. Can you visually select cattle with ability to gain?

- A 4. No. A number of attempts have been made by cattlemen and research workers to identify by visual observation the fast-gaining cattle. So far they have been unsuccessful. One man who had worked with beef cattle for 30 years attempted at the end of the test to pick the high gaining pens. Of the four pens he picked, three were in the lower 10 per cent.

- Q 5. Which is the more heritable—conformation or ability to gain?

- A 5. Ability to gain has been shown to be about 50 per cent heritable, while type or live grade is only about 25 to 35 per cent heritable.

- Q 6. Is there any relationship between type or conformation and ability to gain?

- A 6. No, not within the grades of cattle tested. The bulls are graded each year at the beginning and end of the test by three qualified graders. In each grade (choice, good or medium) there is a wide spread in gain. All grades or types have some that gain within the top 10 per cent and some that gain in the bottom 10 per cent. There does not appear to be any conflict between good gain and good conformation.

- Q 7. Does beginning age, condition or previous environment affect gain?

- A 7. Within reasonable limits, no. Most people expect 12-months-old cattle to gain faster than those seven months old, but in one case the highest gaining pen was the youngest. Most people expect thin cattle to gain faster than fleshy cattle, but in these tests, the thin cattle have made lighter gains the first few months. Previous environment, such as creep feeding, does not seem to affect gain on tests like this, but if calves had been on nurse cows or fed a

(Continued on Page 62)

*Taken from "More and Better Beef Through Research" prepared by the Texas Agricultural Experiment Station, Texas Technological College, Texas Beef Cattle Producers and the United States Department of Agriculture.

Now Both Mobilgas *and* Mobilgas Special *have* Higher Octane *and* Mobil Power Compound!

With the addition of Mobil Power Compound to Mobilgas and higher octane in both grades of gasoline, *every car owner* can get more economy...more power...and more driving pleasure. Now both Mobilgas and Mobilgas Special are powered two ways to give you more for your money:

1. Both are the result of the most modern, high-octane refining methods. Both are advanced in octane value to give smooth, quiet knock-free performance.
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Ask a Mobilgas Dealer. He will show you the Magnolia engineers' recommendations for your car, based on engine specifications, mechanical and operating conditions.

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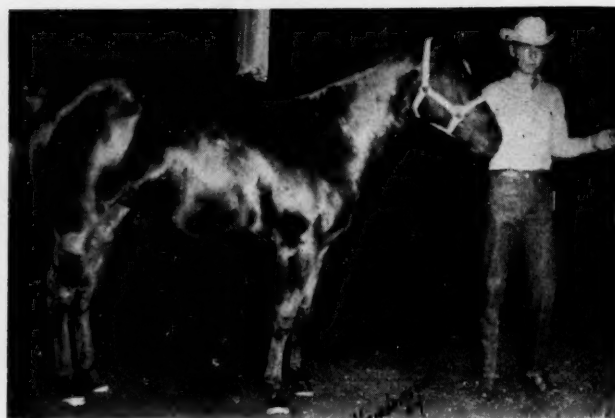
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TO CHAMPIONS TO GET CHAMPIONS"

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MONDAY, MAY 16, 1955
at R. S. BAR RANCH

Overland Park, Kansas
(TEN MILES FROM KANSAS CITY, MISSOURI)

40 HEAD

More Grand Champions than any ranch in the history of the breed. Check the record. A chance of a life-time to select a grand Champion. The service of 22 Grand Champions, the produce of Grand Champions, the service of Grand Champions, as well as prospective Grand Champions.

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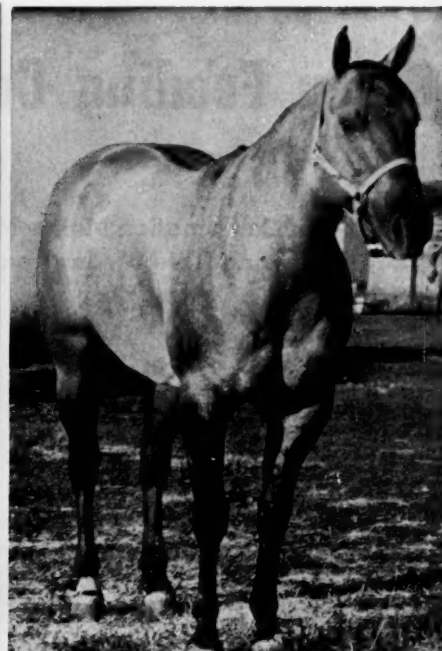
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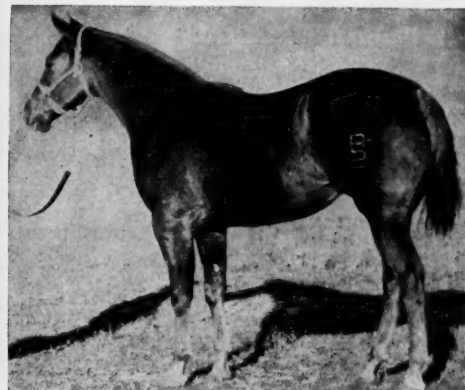
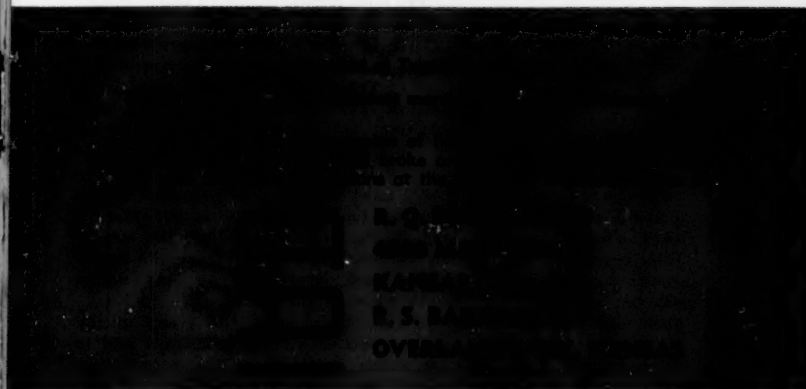
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22 HORSES THAT HAVE WON
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"WE BREED CHAMPIONS TO CHAMPIONS TO GET CHAMPIONS"

Creep Feeding Calves



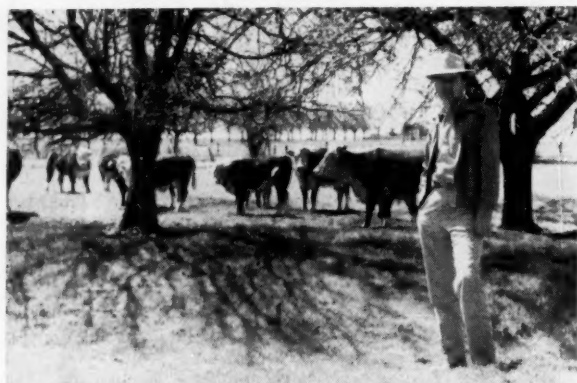
Father-Son Combination Makes Money By Following This Method on a Texas Farm



By PIERCE SHANNON



Shade and water are essential in location of creeps. The Biffles now have two creeps in operation and plan to add a third this summer.



Creep feeding pays double dividends for Jake G. Biffle, Jr., who, in partnership with his father, Jake G. Biffle, Sr., markets between 40 and 50 calves each spring. Biffle calves bring between two and three cents bonus because of fine quality. The Biffles raise their own feed and estimate a 50 per cent gain in market value as beef.



The Biffle program is based on calves dropped in late October and early November. These calves, creep-fed since three weeks old, will market the first of June weighing 600 pounds each.



Winter feeding is augmented with grazing on fields of oats and alfalfa. The legume, plus dressing of phosphate, maintains good soil tilth. Biffle home is in background.

CREEP feeding pays double dividends for a Cooke county, Texas, father-son team that markets about 40 head of prime beef calves each year. Jake G. Biffle, Sr., and his son, Jake, Jr., estimate they receive a bonus of \$12 per head as a result of their program.

The Biffles, second and third generation cattle raisers in the Myra community near Gainesville, utilize 400 acres in the program. Operation includes raising all feed except protein supplements, minerals and molasses, which are bought commercially.

They have found that creep-fed calves dropped in late October and early November go to market the first of June weighing 100 pounds more than calves fed under other programs. Extra feed consumed in creeps, according to accurate figures they keep, runs about \$19.30 for fall calves and \$16 for later crops.

Figuring conservatively, the Biffles get 2 cents a pound higher price for creep-fed calves because of the better quality. Some of their calves have brought 3 cents per pound over prevailing market prices.

October and November calves are marketed at 600 pounds, which accounts for the \$12 bonus they credit to their creep-feeding program.

The Biffles now have in operation two creeps, one located in the barn and the other in a 100-acre pasture seeded with bluestem grasses and clover. Both are stationary but they plan to build a third one this summer that will be skid-mounted for portability.

"We have learned that nearness of the creep to shade and water is important," Jake Biffle, Jr., said. "When the sun is hot, calves fail to feed from the creep in the barn, preferring to stay under shade trees in the pasture."

On the other hand, the creep in the pasture nestles among oak trees and is near water. Biffle notes that calves stay around this creep all the time.

Calves are put on creep feeding when three weeks old and stay there until marketed. From then until late spring

A Message to Farmers and Ranchers:

THIS PARASITE CONCERNS ALL FOOD PRODUCERS



Perhaps you have thought that the practice of distributing trading stamps by food stores concerns you only as a food store customer. We think you should recognize that trading stamps could, if spread to all food stores, have serious influence on the entire food industry at all levels.

Consider what would happen if *all* food stores throughout the country distributed trading stamps.

If 2%, which is a minimum cost for trading stamps, were applied to all food store sales, an added burden

of \$800,000,000 per year would be added to the nation's food bill.

The terrific cost of this parasite—which offers no real service to the processing and distribution of food—would be added to the cost of food or, in part, come out of the producer's pocket as an added distribution cost. In either case, the farmer's share of the food dollar would be reduced.

We think all farmers and ranchers should do what they can to discourage the growth of trading stamp plans—a costly parasite on the food industry.

This message is published by Safeway Stores, a retailer who is interested in reducing, not raising, the cost of food distribution.



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Boots are best

Every part of every Justin Boot is as fine as it's possible to make it. This handsome style is very distinguished looking — crafted of sunburst glove tan leather with 11" shallow scalloped tops, walking heels and extremely narrow toes. They're built with spring steel arches, hand inserted box toes, full leather linings and all the other fine construction features that make Justins longer wearing, more comfortable and better looking. There are no better boots than Justins. Let your dealer fit you in a pair.

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H. J. **J**ustin

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TR ZATO HEIR 246th

Look to HHR for Quality

A top herd of registered Herefords featuring a top son of the Register of Merit TR Zato Heir.

We usually have young breeding stock for sale. You are cordially invited to visit us and inspect our cattle.

HERRIN HEREFORD RANCH

RANCH LOCATED AT WEIMAR, TEXAS

Owner, R. T. HERRIN, President, Herrin Transportation Company, Houston, Texas

marketing, each will eat about 600 pounds of grain (a mixture of 40 per cent barley and 60 per cent oats), protein supplement, mineral, molasses and salt, and 180 pounds of No. 1 alfalfa hay. The protein supplement is added to the oats and barley to run the protein content of the feed up to 14 per cent.

Calves graze on a temporary pasture of alfalfa hay and oats, and on permanent pastures of bluestem grasses. The Biffles have found that mixing legumes with oats and dressing with phosphate keeps soil in top production and good tilth.

During the drouth years the Biffles have culled less desirable herd cows and have started a program of replacing them with well-marked Hereford heifers. They emphasize the importance of a good sire in the success of their operation.

A second dividend realized by the Biffles in their creep-feeding program is that since they grow nearly all of the feed, they are getting top prices for it by selling it as beef rather than as feed. For instance, they estimate the value of oats grown at \$1.21 a bushel as feed, while average going market prices in the area stand at 81 cents per bushel, leaving the Biffles 50 per cent ahead.

The Biffles have found the practice of baling oat grain with the straw results in a more appetizing feed and assures a greater per cent of stalk consumption by the cattle. Oats with alfalfa mixed in are cut when heads start turning white, thus preserving a higher moisture content. The younger Biffle says that bales are still green on the inside when fed to the cattle.

Jackie Worthington Named 1954 World Champion Cowgirl

FOR the ninth straight year, Jackie Worthington of Jacksboro, Texas, was named world champion cowgirl at the Annual World's Championship All-Girl Rodeo held in Dallas. The award was made on the basis of points scored during 1954 for achievements at rodeos over the nation.

Besides her rodeo performing, Miss Worthington specializes in cutting horse contests and helps out on her parents' ranch at Jacksboro when she is not competing at rodeos.

Other world champions named at the All-Girl rodeo were:

Calf and ribbon roper—Wanda Harper, Mason, Texas.

Cutting horse—Nancy Bragg, Tulsa, Okla.

Team-tying—Betty Dusek, Vancourt, Texas.

Sponsor contests—La Tonna Sewalt, Afton, Okla.

Bareback bronc riding — Rae Beach, Monterey, Cal.

Bull-riding—Jackie Worthington, Jacksboro, Texas.

Your brand is your coat of arms, but it is of little use unless it is recorded.

TR



**TR
ZATO
HEIR**

Third ranking
living
Register-of-
Merit sire

PLAN TO ATTEND
Hereford Heaven Tour and Sale
JUNE 10th

**.... NOW MORE THAN EVER —
A SYMBOL OF DEPENDABILITY**

NATURAL
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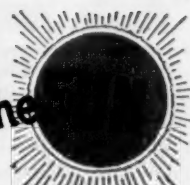


ENTRANCE TO RANCH - 7 MILES EAST AND 1 MILE NORTH OF SULPHUR - STATE HWYS 7 & 18

TURNER RANCH - SULPHUR, OKLAHOMA

Roy J. Turner • Jim McClelland • Roland Jack • Tom Harris, Show Cattle

**GET
YOUR
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a place in the
with a son of **TR Zato Heir**



Register of Merit's Distinguished Sire

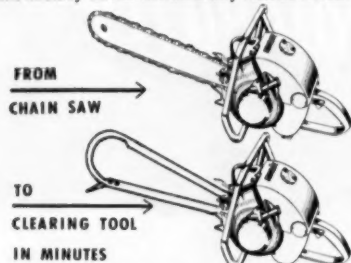


NEW HOMELITE CHAIN SAW ATTACHMENT

cuts clearing costs

Here's a light-weight, easy-to-handle clearing tool that takes the work out of clearing land or controlling brush and weed trees. One man can fell, buck and limb small trees or saplings and keep three men busy just piling brush.

Low in cost, the new clearing attachment is designed for use with the powerful Homelite Model 17 Chain Saw. It eliminates bending and stooping in felling and takes the backache out of bucking. Virtually trouble free in operation, it is a big time and money saver around any ranch or farm.



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CHUCKWAGON

By CHARLIE, the cook

THE humorist who made the classical remark that "everybody talks about the weather but nobody does anything about it" was a shade incorrect—in that he apparently overlooked the guy who cranks the ice cream freezer.

If you dwell in any land of the sun where the mercury is inclined to flirt with the top of the thermometer, you'll know what I mean—that the time approacheth for putting that old familiar household gadget to work.

Mrs. James Ohlsen of New Orleans provides that seasonal reminder along with the prescription for some fancy fixin's to pour into the old freezer as the hot days bring on the urge for such action. Here 'tis:

INGREDIENTS: Three tablespoons of quick-cooking tapioca; two cups of milk; one half cup sugar; two eggs; fourth a teaspoon of salt; one cup of whipping cream; one and a half teaspoons of vanilla; one tablespoon of lemon juice; one cup of toasted coconut.

METHOD: Cook milk and tapioca in top of double boiler for 15 minutes or until thickened. Stir frequently. Add one-fourth cup of sugar during the last few minutes of cooking. Press through sieve, then chill. Beat egg whites until foamy, add salt, and then slowly add the remaining sugar. Fold in the tapioca mixture. Whip cream until stiff. Fold cream, lemon juice, vanilla and coconut into the tapioca mixture. Use old-fashioned freezer, or pour into two shallow refrigerator trays or one deep tray and freeze quickly.

* * *

If you are one of the citizens who likes to say "make mine vanilla" here's the old basic gallon-size recipe for the old-fashioned type freezer:

INGREDIENTS: One quart of milk; one quart light cream; four eggs; one cup of sugar; one tablespoon flour; one teaspoon vanilla; pinch of salt.

METHOD: Beat the eggs, then add the sugar with the flour and salt mixed in. Slowly stir in the milk and cream. Cook for five minutes, stirring continually in order not to scorch the mixture. Take from fire and add vanilla. Strain, cool, and turn that crank.

Me, I also add three or four sticks of crushed peppermint candy.

* * *

Mrs. Joe Hommel of Fort Worth, Texas, uses a ridiculously simple formula to make a culinary triumph out of that old familiar ingredient, ground round steak. Does it like this:

INGREDIENTS: Three ounces of Roquefort or Blue cheese; one and a half pounds of ground round steak; one teaspoon of salt; half a teaspoon of tabasco sauce; two tablespoons of heavy cream.

METHOD: Break up the Blue cheese over the beef in a mixing bowl and sprinkle with salt. Combine tabasco and



"I've lost so much weight on your cookin', Chuckwagon, that I put on a pair of my old britches and got a job clownin' at the rodeo!"

heavy cream and add to meat mixture. Mix well with fork or hands and shape into six large patties. Place patties in a lightly greased heated skillet, cooking about eight minutes on first side and six minutes on other side. To broil, pre-heat broiler and place patties an inch and a half below broiling unit for four or five minutes on each side.

Very simple, but these patties are out of the ordinary.

On the piquant side, here's a dip that's

MEAT RECIPES

A Free Recipe Booklet

A very attractive forty-page booklet of meat recipes is available to readers of The Cattleman without charge. This booklet is published by the National Live Stock and Meat Board's Home Economics Department and distributed by the Texas and Southwestern Cattle Raisers Association. It is offered free to any of our readers who request it. All we ask is that you say you saw mention of it in The Chuckwagon Column. No housewife should be without this important booklet which contains recipes for cooking beef, lamb, veal, pork and a variety of other excellent recipes in which meat or meat products are used. There is a large variety of cake and cookie recipes also. There is a full page devoted to each of the following: broiling, braising, cooking in liquid, pan broiling and pan frying. Two full pages are devoted to illustrations of cuts and a guide to buying and cooking beef, veal, pork and lamb, a total of eight pages. No housewife can afford to be without this valuable booklet. It is free for the asking. Send your request direct to The Cattleman, 410 E. Weatherford Street, Fort Worth 2, Texas.

STOP PINK EYE

WITH



OCUROL-VET

Manufactured by The Ocurol-Vet Co.
Sabinal, Texas
Proven on a million head



We feel the records made by our herd is one to be proud of and you can make your selections from our entire herd and at your own price. You will find individuals that have won at major shows and females and herd bulls responsible for these good records. We cordially welcome you to be with us and see for yourself the herd-improving individuals selling that carry such top breeding as Colorado Domino, Mischief Mixer, Hazlett, Larry Domino, WHR and Zato Heir. All the cattle will be sold the first day, if at all possible.

These
HERD BULLS
Sell

Shown below and at the right—
a few of the many calves that sell.



SHOW RECORD FOR PAST SEASON

At these major shows—Amarillo, Albuquerque, Dallas, Shreveport, Denver, Fort Worth, Houston and San Antonio. Champion bull at Albuquerque, reserve champion bull and reserve champion female at Shreveport. 23 firsts, 22 seconds, 14 thirds and 10 fourth place winnings.

SELLING
335 Head ★ 216 Lots
MAY 20, 21
RHOME, TEXAS
25 miles north of Fort Worth on U. S. 81



MW Prince Larry 67th. This outstanding sire has sired a truly outstanding group of cattle for us. Five sons, 50 daughters, several calves at foot on their mothers and his service sell. **HE SELLS.**

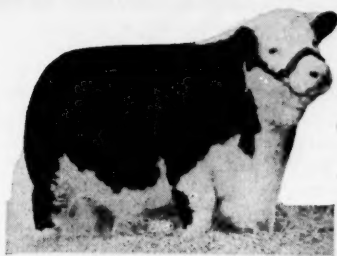


JHR Prince Larry 25th. A son of the "67th". He was champion at Albuquerque and first at Shreveport, Amarillo, Fort Worth, Houston, San Antonio and second at Denver this past season. Several females sell carrying his service and this top bull SELLS.

**COMPLETE
DISPERSION**

Write for catalog, reservations
F. D. JONES, Owner

F. D. JONES HEREFORD



JHR Larilee 47th. Another of the many top daughters of MW Prince Larry 67th that sell. She was reserve champion at Shreveport in 1954 and first at Houston, second at Fort Worth and San Antonio in 1955. A real prospect for a senior yearling this next season.



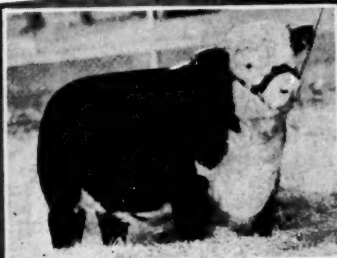
JHR Larilee 28th. A daughter of MW Prince Larry 67th. She was first at San Antonio, second at Houston and third at Fort Worth in 1955. She sells bred to JHR Zato Heir.



JHR Larilee 19th. A truly great female by the "67th". She was first at Fort Worth and Houston in 1955 and in 1954 was champion at Tyler, first at Shreveport and Amarillo, second at Fort Worth and Denver. Sells bred to JHR Zato Heir.



M Zato Commander. By the Register-of-Merit TR Zato Heir 27th. Many females sell carrying his service. Our one-fourth interest in this \$50,000 bull SELLS.



M Zato Heir 73rd. By TR Zato Heir 27th. He showed outstanding individuality this past season... winning first at Houston, second at Fort Worth and third at San Antonio. A real prospect for next season's shows, a top herd sire prospect. He and his service SELL.



JHR Zato Heir. Another son of the Register-of-Merit TR Zato Heir 27th. A top individual (was first at Fort Worth in 1954) and an outstanding sire. We have several calves by him and they are most promising. Many females sell carrying his service. HE SELLS.

Write for Catalog



A few of the good bred and open heifers selling.



A sample of the many top calves by MW Prince Larry 67th that sell.



Everything Sells!

HERD BULLS, COW HERD, SHOW HERD



RANCH ★ RHOME, TEXAS

MARVIN MAYBERRY, Manager
J. D. WOMMACK, Herdsman

BLACK STRAP CANE MOLASSES

First quality imported from Cuba

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worth throwing together any old time:

INGREDIENTS: Half a teaspoon of tabasco; three tablespoons of mayonnaise; an eight-ounce package of cream cheese; one tablespoon of drained horse-radish; one teaspoon of minced onion; one-fourth teaspoon of celery salt.

METHOD: Add tabasco to mayonnaise in mixing bowl. Add cream cheese and beat until smooth. Stir in remaining ingredients. Use as a dip for potato chips, pretzel sticks, melba toast or crackers. Makes about one and a quarter cups.

The flavor of this improves with standing, so keep in the refrigerator several hours before serving.

A friend of mine from down Georgia way claims that all us devotees to that prime favorite, Beef Stew, are missing a bet when we fail to add pimiento biscuits to same. Here's the pitch on the deal:

INGREDIENTS: Two cups of self-rising flour; five tablespoons of shortening; one can or jar (four ounces) of whole pimientos; half a cup of butter-milk, more or less.

METHOD: Cut the shortening into the flour with a pastry blender or two knives. Chop up the pimientos and add them, then stir in the buttermilk until the dough leaves the side of the bowl. Turn out dough onto a lightly floured board, knead it gently three or four times, and roll or pat it to half-inch thickness. Cut the dough in diamond shapes and set the biscuits on top of stew around the outer edge. Bake at 450 degrees.

All of which brings to mind another type of biscuit which isn't to be scoffed at—a paprika-cheese number which goes like this:

INGREDIENTS: Two cups of sifted all-purpose flour; two teaspoons of double-acting baking powder; one teaspoon of salt; fourth a cup of shortening; three-ounce package of snappy cheese; two-thirds to three-fourths cup of milk; paprika for garnish.

METHOD: Sift first three ingredients together. Cut in shortening and cheese until mixture resembles coarse crumbs. Stir in just enough milk to form a soft dough. Knead about 20 seconds on a lightly floured board. Roll to half-inch thickness and shape with a biscuit cutter. Place on ungreased cookie sheets. Lightly sprinkle paprika over the top of each biscuit and bake in a 450-degree oven (preheated) for 12 or 15 minutes. Makes about two dozen biscuits.

Once in awhile we've got to get a little fancy—so here goes again with an appetizer formula received from Emily Leistner of San Francisco. It's called Sherried Shrimp Ravigote, and it comes to the table after these worthwhile preliminaries:

INGREDIENTS: Two cups of cooked or canned shrimp (whole if small, cut up if large); one cup of California Sherry wine; two hard-cooked eggs, yolks and whites separated; one table-

spoon of catsup; one tablespoon of sweet pickle relish; one tablespoon of chopped parsley; one teaspoon of lemon juice; one-half teaspoon of worcestershire sauce; about one-half cup of mayonnaise; salt and pepper to taste; lettuce leaves; paprika.

METHOD: Combine shrimp and wine in a bowl, cover and let stand in refrigerator for an hour or two, stirring occasionally. Meantime, grate egg yolks and white, or force through sieve or ricer. Drain shrimp very thoroughly. Combine shrimp, grated egg whites, catsup, pickle relish, parsley, lemon juice and worcestershire; mix lightly but well. Add just enough mayonnaise to moisten mixture nicely, and season with salt and pepper. Cover and chill thoroughly.

Just before serving line each of six little baking shells with a leaf of lettuce and spoon shrimp mixture into the shells. Sprinkle with grated egg yolks and dust with paprika. Lacking baking shells use lettuce-lined butter plates or sherbet glasses.

* * *

Note to Mrs. Walter Burris at H. W. Ranch, Silver City, New Mexico: About that recipe you requested—just to avoid the possibility that a reader might get it mixed up with the biscuits, we are mailing you the formula for home-made soap.

Got a good recipe you'd like to share with the neighbors? If so, send it to Charlie the Cook, care of The Cattleman. Or, if there's any particular recipe you'd like to have, ask Charlie. He'll round it up for you.

S. S. Shultz Heads Fort Worth Livestock Market Institute

S. S. SHULTZ was elected president of the Fort Worth Livestock Market Institute at a meeting held in Fort Worth March 31. J. D. Farmer, Sr., was elected first vice president; W. L. Joyce, second vice president; Ted Gouldy, treasurer; and T. F. Hard, treasurer-auditor.

New directors named for three-year terms were: Bob Chandler, Jerry Ralls, Clint Shirley, J. C. Weaver, Jr., and Shultz.

During the meeting members of the institute met with J. Milton Wright, ASC county chairman, W. C. Ball, district supervisor of the Packers and Stock Yards Administrator of the U.S.D.A. and representatives of the packing industry to work out details for handling certification of unshorn lambs so producers can be paid the incentive wool payments.



Even with animals that look completely healthy and normal, it's possible to get the same or better gains on 25%* less feeds.

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Du Pont produces Phenothiazine for makers of animal health products and feed manufacturers. For additional information about worm control with Phenothiazine, see your veterinarian, county agent or feed supplier, or send the coupon to Du Pont today.

*In 2-year studies, 600 weaner calves—all of which appeared healthy—were tested under ranch conditions. Animals treated with Phenothiazine, under the two-way program, produced better gains than control group . . . on 75% as much supplement.

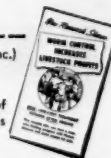


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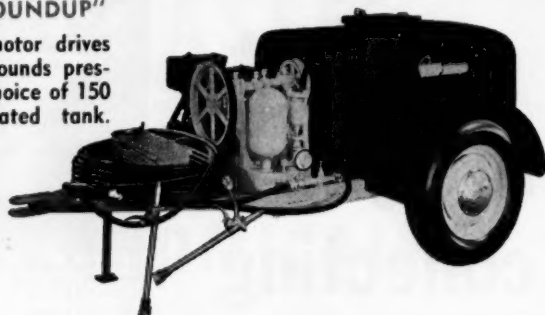


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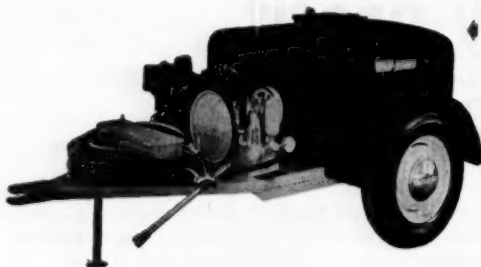
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Fort Worth Stock Show Dates

Jan. 27 Through Feb. 5

DATES of the 1956 Southwestern Exposition and Fat Stock Show were set for Jan. 27 through Feb. 5 at the annual membership, directors and executive committee sessions.

Re-elected were Amon Carter, chairman of the board; W. R. Watt, president-manager; Ernest Allen, vice president, and Raymond E. Buck, secretary. Chosen as treasurer was J. Lee Johnson, Jr.

Added to the executive committee was Frank Kent, Fort Worth; and added to the directors were D. Burns, Guthrie, Texas; Watt Matthews, Albany, Texas; Ed Mayer, Sonora, Texas; Monte Richey, Clarendon, Texas, and, from Fort Worth, Earl Baldrige, J. Lee Johnson III, W. A. Landreth, O. P. Leonard, Marvin Nichols, W. D. Nusbaum, John Connally, Charles Rowan, Thomas M. Ryan and R. L. Bowen.

President-Manager Watt reported that the '55 show was the finest in the exposition's history with record-breaking rodeo attendance and the largest number of livestock entries. Beef breeds showed an increase of 1,943 over the previous year.

He pointed out that next year overlapping dates will be a thing of the past. The Fort Worth show will be over before the San Antonio show begins and the San Antonio exposition will be over before the Houston show starts. Thus an exhibitor can show at all shows instead of having, in some instances, to make a choice. This means an increase in the number of entries in Fort Worth and that presents a space problem which must be considered, inasmuch as facilities were filled at the recent show.

Watt announced that plans for the coming year include renovating the horse building for use during the stock show and construction of a roof over the carlot loading pens on the show grounds.

How Much Meat in 1955?

BEEF will make up 49 per cent of our meat diet this year, according to U. S. D. A. predictions on meat consumption for 1955. Pork will account for 42 per cent; veal, 6 per cent; and lamb, 3 per cent.

Meat production in 1955 is expected to reach an all-time high of 26 billion pounds—beef, 12 billion, 800 million; pork, 10 billion, 800 million; veal, 1 billion, 700 million; and lamb, 700 million.

Per capita consumption of meat for the year is expected to be at the highest point in nearly 50 years—156 pounds. Per capita rates for each meat have been forecast as follows: Beef, 76½ pounds; pork, 65 pounds; veal, 9.9 pounds, and lamb, 4.2 pounds.

Efficiency is the keynote in America's beef cattle industry. A recent study revealed that 40 per cent more beef is being produced annually in the United States with 18 per cent less people on the farms than was the case in the 30 years preceding 1952.

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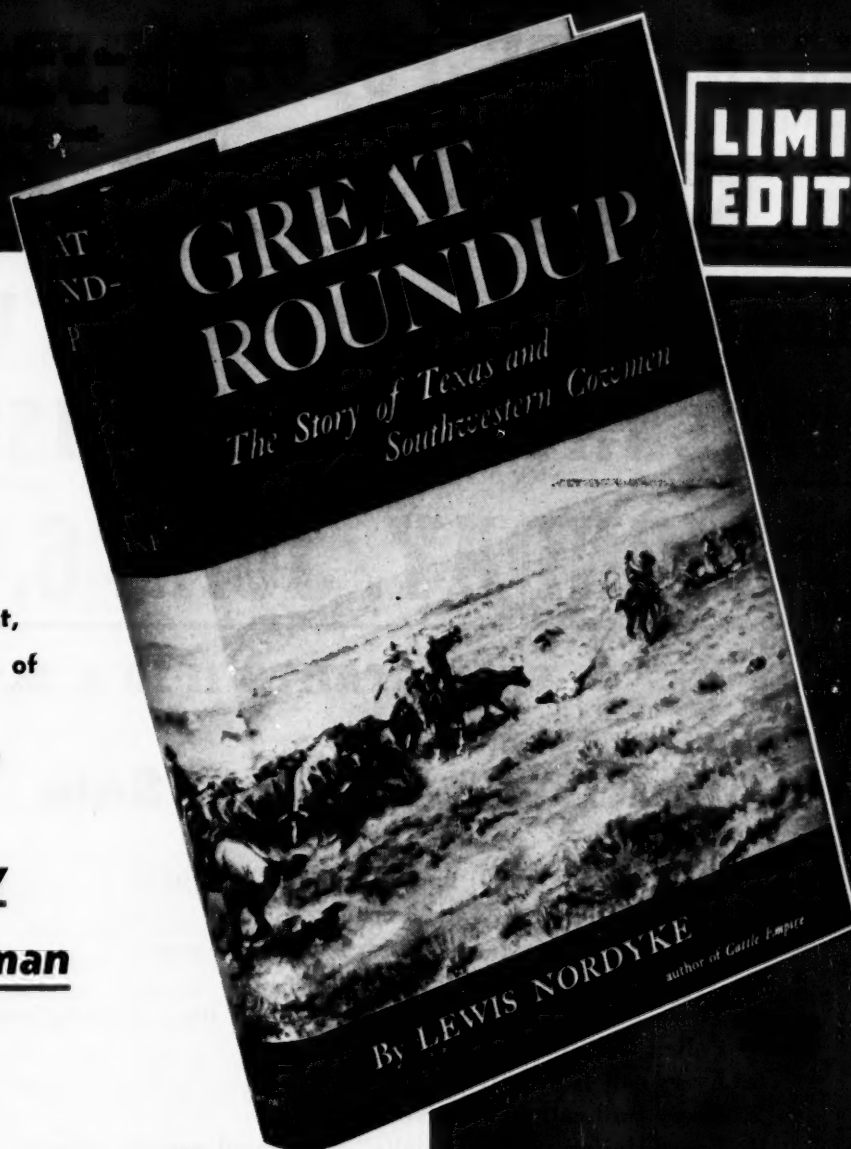
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Panola-Tate County Livestock Association

(AAL)

S. R. MORRISON, FIELDMAN AND MANAGER

SENATOBIA, MISSISSIPPI

May 1, 1955

To Our Prospective Customers:

The purpose of this letter is to explain more fully about the "Calf Sales" we hold, and particularly about the one coming June 6, 1955, advertised on the opposite page. These sales are "Different."

1. About the Free Delivery. This means just what it says. It makes no difference whether you buy one or twenty, we deliver free of charge in so far as transportation goes up to 1,000 miles from Senatobia, Miss., if in the continental United States and if delivery can be made to your ranch by truck on usable road. In case of Canadian buyers we will meet their trucks at port of entry if not more than 1,000 miles. This 1,000 miles takes well past the "Heart of Texas." It means this sale is as near to you, in so far as delivery goes, as your own yard. We feel this particularly helps the small buyer who would like just one animal carrying the famous blood produced in this area.

2. About calf sales. In so far as we know we held the first sale of registered Polled Hereford calves ever held on Nov. 5th, 1949. This sale coming June 6th is our 12th such sale. These are exactly the same kind of calves that when fed another year have established many world's record consignments sales under our Panola-Tate banner. As we can see no advantage to anyone by heavily feeding these calves an extra year, we now sell them as calves. They sell for less money and they are not harmed by over feeding, they invariably prove more fertile breeders and have proven more satisfactory to both buyer and seller.

3. If you cannot come sale day consider sending a mail order bid through the Senatobia Bank, Senatobia, Miss. You can have your bank contact our bank and there remains no question about the safety of your funds.

Why not at least send for a catalogue and consider attending the sale June 6th?

Sincerely yours,

Sam Morrison, Fieldman

Panola-Tate County Livestock Ass'n
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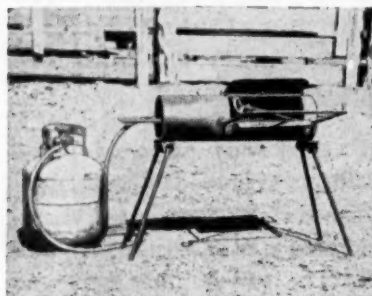
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Old Time Waddie Man of Few Words

After Few Years in Lonely Camp Some Early Day Cowboys Nearly Forgot They Could Talk

By BOB BEVERLY

THE old-time cowboy did very little talking when working at his job. After a few years in a lonely camp by themselves some of them nearly forgot they could talk.

Since the days of woman suffrage I can hardly understand the younger ones' conversation. All have got to talking so fast that their conversations do not register in my feeble brain. The young boys who have been in the various military services of our country use the word "sir" in reply to any question you may ask them.

An old-time waddie like I am just wonders how others think he can talk to them at all. The old hands on the range would term them all just "windies". He feels like he is an outsider in any conversation this generation may start. They are sure fast speech makers now.

At times I think it is an Old World manner of speech that has rubbed off on the boys and girls of our land from contact with the Old World and the citizenship of foreign countries that has done a lot to change the speech of our land.

The word "sir" is being used so much by the younger generation that an old-time waddie wonders if this is creating a feeling of different sets of citizenship in this country today.

We are all one here in this land of the free and the brave, and the best people on the face of the earth. I hope there will never be any other kind of feeling in our country; but when I hear that "sir" spoken so often I might be mistaken.

Every time I hear the word spoken I think of the Englishman who came over to this country during the cattle and ranch boom of the early 1880's. It was told, at old Mobeetie, that he made a habit of boasting that he was the son of a Lord and was of a little better breed than the cattle servants on the various ranches.

In a saloon at Mobeetie one day he pulled an English coin out of his pocket and showed it to a cowboy. He said, with his superior, bragging way, "See the image on this coin? 'Tis the face of the man who made my father a Lord." The old puncher pulled an Indian head copper from his pocket and said, "This is the image of the man who made my father an Angel." The old waddie failed to say "sir" when he spoke to the Englishman, or anyone else.

The old-time cowboy worked in a land where the silence was broken only by the noise of the wide open spaces—a land that seemed to be grieving over something no one ever knew about. There

was nothing that so depressed the feelings of man as the lonely quietness of the open plains, especially at night when he was alone in some little far-away camp. If the old cowboy had an education he soon forgot most of the art of speech in order to say as little as possible to anyone. He mostly used a wave of the hand or hat to indicate his words, if he was some distance from where the one working the range was.

This had been handed down to the cowboys by the Indians with their smoke signals and different signs left over the country they traveled. Often a long section of dry country had to be crossed and to save a lot of riding and the tiring of their ponies they would ride up on some high point and signal to the ones miles away to either be on the alert for Indians or to hold up the lead cattle in the herd or throw the roundup drive either to the left or right until they could get the herd under better control. He could not lope his pony a mile or so to get to say "sir" to the other rider.

Now I am not criticizing the younger ones but just trying to show you how things have changed. You are the ones to carry on this land that was handed to you by the greatest bunch of Pioneer Fathers that the world will ever see again. It is yours and I feel that most of you have inherited a lot of that blood that will make our country safe in your hands for the future.

The object of this story is to not only try to teach you, as far as I am able, the law of not only conserving the land you have inherited, but to show you that the old hands not only tried to save the natural resources of this land, but they did not use so many words as "propaganda" or as the old Negro said about his wife when he asked for a divorce; she gave him to understand he was not the "proper gander."

Now I do not try to spell words according to Mr. Webster. No old hand ever did that. He just spells them like they sound, or should sound, to him. His words, like the Indian, mean what is in his mind. He uses as few letters as possible but tries to get the sound and meaning of the thing he tries to describe in as few words as possible.

A cowboy running his pony across the plains would be described today just that way, if he is talking to the boss, or others, but the old man would say, "He sure is wiping it up," or if a horse was roped out of the bunch today, this day and time, it would be described the same. If the horse was to jerk loose, after he was being saddled and break away across the flats the old hand would say, "He is gone to the tullies."

Very few of the old-time foremen on ranches of the early days ever hollered at one of their men in a loud tone of voice. If they could not motion him to the right position and they had to ride to where he was they spoke to him in the usual quiet way.

This makes me think of Old Charley and Walter Walker, nephews of Col. Littlefield of the old LIT and LFT outfits. In later days they were moving a large herd of cows in the winter from the plains down into the Pecos River country below Fort Sumner, New Mexico. The boss had Charley Walker in the lead of some two thousand cows to hold them in shape to drift across the country. There were five or six young cowboys with the herd. One day the boss told one of the young fellows to ride up to the lead cattle and tell Walter to come back to where he was. The young fellow jabbed his pony with the spurs and ran his pony as hard as he could. As soon as he got in sight of Walter Walker he began to hollar to Walter as loud as he could cry.

Walter Walker never looked back at him until he rode beside him to deliver the boss's message. He was still talking like he thought Walter was deaf. Walter looked him in the eye and said, "When you approach me from now on do not use that tone of voice or you will be absent when the cook hollers chuck, young man." To an old hand there was a lot of meaning in what few words Walter said.

My mind and thoughts often go back to that great cowman, Barnes Tillous, who could do more work and handle more stock in any way he cared to, without ever speaking above his usual tone of voice, than any man I ever worked with.

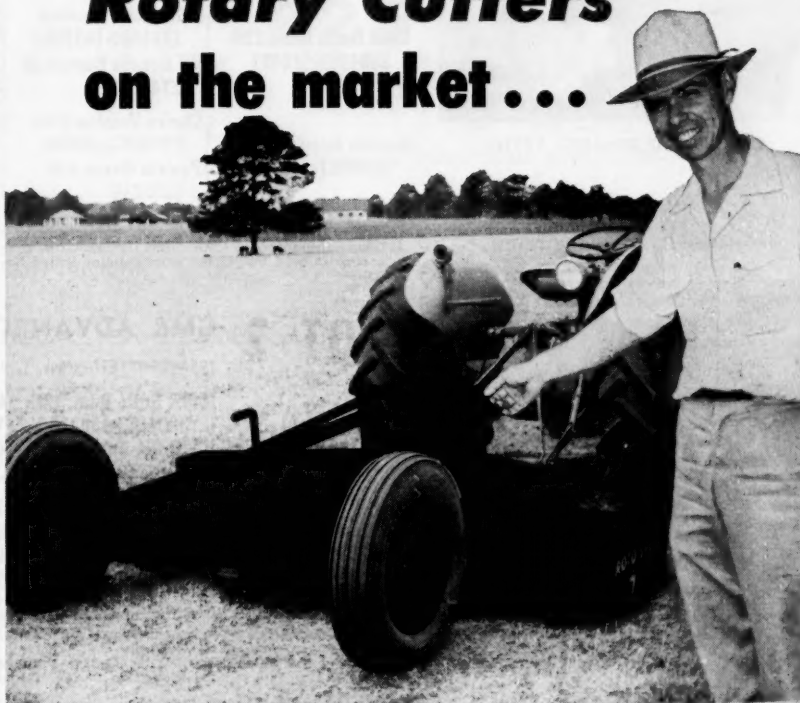
I think of an old boy who worked in a run on his pony all day long. When the roundup was being worked to cut out cows with calves by the side of each mother cow this old boy would ride so fast he would cause the roundup to mill all the time we were in the herd. Finally Barnes rode out to where the hand was working so hard to keep the roundup milling and looked him in the eye for about one minute and said to him, "See that round hill out yonder about a quarter of a mile? You go and sit on top of that hill until I call you."

The old boy went and sat there all evening while we worked the herd. He never did know why he was sent out there. That was one way of teaching a hand without talking to him and using up a lot of extra words.

It was my privilege a few days ago to be invited by the son of one of my old-time friends to go to Midland with him. He said, "I will leave you here in the Scharbauer Hotel while I attend some business I have to look after. You can sit around the lobby there until I get through and maybe you will see a few of the boys you once knew."

I did see a few of the old hands I once worked with, such as E. B. Dickerson and Louis Byers and Walter Cowden. They talked my kind of language. Most of them, though, were oilmen cowboys. One young fellow, the son of one of my old friends of the long ago came up to me and said he was in the stock business.

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He is a summer bull calf that we purchased in dam at the Malone Dispersion. The sire of this top herd bull prospect sold in the 1953 Circle M Ranch sale for \$18,000 to the Malones. The dam of this calf will also sell . . . She is RCM Isle Jo Domino, a four-year-old daughter of CMR Rollo Domino 6th and a very good "Bama" cow bred by R. A. Lambert & Sons.

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		Prairie Queen 2d 2041337

There will be 40 calves sell at the side of their dams by this good breeding 5-year-old son of CMR Rollo Domino 12th, the sire of sires! Here you can buy a proven herd bull of the most popular Polled Hereford breeding.

LOT 2 GMR ADVANROL 62d

7036565-497597—May 1, 1951—Breeder: Glen Meadow Ranch

GMR Advanrol 5751851-359355	CMR Rollo Dom. 12th 3804163-190323	CMR Rollo Dom. 3254000-1477094
	CMR Dominette 50th 4087783-207237	VV Bonnie Burton 3d 2749825
		Circle M Adv. Dom. 3233655-144908
		Jewell 57th 2402778-98641
GM Miss Bonnie 46th 5620300-394996	RF Bonnie Dom. 40th 3817788-251827	Bonnie Domino 9th 2960489-132920
	RF Bonnie Reina 4350653-225888	Repeater Lass 6th 2409044
		Bonnie Domino 9th 2960489-132920
		Reina Domino 8th 3008867

There will be 50 calves sell at the side of their dams that were sired by the 62d and most of these same cows will be rebred to him. Several top yearling heifers by this good 4-year-old bull will sell. The calves you will see by this bull will convince you that he is a top producer of modern type Polled Herefords . . . a bull that is good enough to head even the best of herds!

LOT 3 ACA LAD MISCHIEF

5881536-392518—April 22, 1949—Breeder: R. A. Halbert

Domestic Mischief 6th 2738042-120541	Domestic Mischief 2492417	Anxiety 23d 1199478
	Beauty 3d 2397533-100685	Domestic 43d 2241081
		Woodrow 29th 1852096-72236
		Beauty 2d 2079202
Bell Mischief 3d 4967740-286372	Woodrow Mischief 2d 3263154-154158	Dom. Misch. 6th 2738042-120541
	Bell May 2d 2605636-111963	Blossie Woodrow 2353719-98675
		Woodrow 30th 2120252-84260
		Bell May 29th 1765279-81766

There will be heifers by him and bred to CMR Mischief Domino 40th (lot 1) and GMR Advanrol 62d (lot 2). These heifers should be the center of attraction on sale day. Also selling will be open heifers by him and calves at the sides of their dams by him with the dams rebred to him.

LOT 4 RR BLANCHARD

5097416-305346—March 30, 1947—Breeder: J. H. Rowland & Son

Dom. D. Blanchard 67th 3505389-186696	Dom. Blanchard 2d 27324430-119034	Pld. Larry Dom. 2472046-104356
	Bonnie Blanche 36th 2226978-101398	Bonnie Blanche 43d 2253297-96547
		Kendale 24th 1766308-68964
		Wichita Belle 16th 1380101-47749
Miss C D Mischief 153d 3728572-185107	Choice Dom. Misch. 2082370-86150	Choice Domino 18th 1621680-62696
	Miss B. Dom. 37th 3038105-141150	Girdle 6th 1715120
		Bonnie Domino 2021577-80149
		Jean Domino 1856431

He is a grandson of Domino Blanchard 2d, the progenitor of Polled Larry cattle that have proved popular everywhere. This big, rugged fleshy bull weighs 2100 pounds. Heifers by him and bred to lots 1 and 2 bulls will sell. Also many calves by him will sell with their dams that will be rebred to him.

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CROCKETT, TEXAS

MAY 18-19

225 LOTS

10 BULLS

4 Proven Herd Sires

6 Herd Bull prospects

215 FEMALES

140 Cows, mostly with calves

50 Open Heifers

25 Bred Heifers



TO POLLED HEREFORD BREEDERS:

It is with sincere regret that I announce the complete dispersion of the LK Polled Hereford herd due to the death of Mrs. Knox. We are doing this in order to establish a partnership with my son-in-law, Jim Dan Hill, the resident manager.

Our herd is headed by three of the best bulls we could obtain, and it is their get and service that will dominate the offering. CMR Mischief Rollo 2d, our son of the National Champion CMR Rollo Domino 28th that is out of an own daughter of CMR Rollo Domino, has proved to be a superior breeding bull and his influence has been very constructive in our improvement program. GMR Advanrol 62d, a son of the famous GMR Advanrol, and ACA Lad Mischief 5th, a 5-year-old son of the great Domestic Mischief 6th, are the other two members of our herd sire battery.

The LK cow herd is composed of carefully selected individuals purchased at Panola-Tate sales, the W. R. Johnson Ranch, Roland's R. & R. Ranch, the J. E. Mitchell (Mississippi) Dispersion, the Malone Ranch, and from the W. H. Long herd of top Garland and CMR-bred Polled Herefords.

Leo Knox



CMR MISCHIEF ROLLO 2d

A son of the famous CMR Rollo Domino 28th that was the National Champion and record seller of his time, The 2d is one of the best individuals and certainly most wonderfully fleshed bulls we have seen. We lost the service of this great bull but a good number of his offspring will sell. There will be young cows and open heifers by him, as well as herd bull prospect sons, that will go in this dispersion sale.

This Entire Herd Is Polled . . . Many Polled Bred Generation After Generation!

About one-half of the females were purchased from the W. R. Johnson herd or are daughters of females purchased there. These good producing cows are rich in Advanced Domino, Superior Prince Domino and Larry Gem Domino blood . . . three bloodlines that have proven tops in Polled breeding.

Ten females were purchased in the 1952 Panola-Tate Sale for an average price of \$961. These females were just calves then, and the top price of this large purchase was \$2,000. In this group of young cows is Polled breeding that has made the Panola-Tate sales world famous. These cows and their offspring will sell! At the Malone Ranch Dispersion we purchased three of the better females. Two of them are pictured and discussed later.



RCM CHOICETTE 14TH

RCM ROLLO BLANCHE — She Sells!

A daughter of CMR Rollo Domino out of Domino D Blanche 56th, we paid \$3,000 for her at the Malone Dispersion. Four daughters of this cow have sold for \$10,675 (an average of \$2,668) with the top price being \$3,500. She will sell with a calf at side by RCM Super Rollo, the \$31,200 bull purchased by A. H. Karpe of California. THE DAM OF THIS GOOD COW ALSO SELLS . . . she is Domino D Blanche 56th by Domino D Blanchard 2d by Polled Larry Domino. Her dam is a granddaughter of Advance Mischief. We paid \$1,550 for this great brood cow at the Malone Dispersion where four of her calves sold for an average of \$2,149. She is one of the best producers in our herd.

Sale AT THE RANCH, ½ Mile South of Crockett, Texas, on Highway 45

FOR CATALOGS, WRITE:

JIM DAN HILL, Manager
Crockett, Texas

LEO KNOX



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13. The Brangus Association is the fastest growing Association of cattle breeders in the world today—BAR NONE!

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When he started telling me of his vast ranch holding in Texas and other western states I noticed he also used the "sir." He introduced me to several of his bunch that talked the same way. At that it was nice of Paul Slator of Odessa to take me on the trip. We talked of the old days when his father and I set up the ranch that Paul still has. Though the oil game has ruined the old ranch from a cow standpoint it never has caused Paul to use the word "sir." He is still Jeff Slator's natural son.

In visiting around Odessa I found quite a few of the old-timer boys that are as natural as ever. As Paul Slator and I rode back to Odessa that evening we both agreed that the oil business had been the means of keeping the younger ones in the ranching business. Paul said he only wished he had some cows to look after to take his mind off so much worry over his dad's old ranch.

That seems to bother all the true sons of the old fellows that held on through drouths and depressions and such. Then when the oil fields came on it upset the ones like their old dad was when he battled to hold what he had together to enable his offspring to enjoy life more fully than the older ones had.

As we talked along together on the way back to Odessa I said, "Paul, I am glad to see all the young ones having it so much easier than their parents did. It all goes to prove what I have often told the boys. Just sit still, there will be as much overtake you as you will ever overtake in this world."

I never had time to sit still. I put in the best part of my life trying to help others protect what they had accumulated and never took time to think much of my own welfare. I hold that I have gotten more out of life than I was ever entitled to and I have had a wonderful life at that.

I will say to all the younger cowboys and cowmen: "It is your country and mine, the greatest country on the face of the globe. I have enough confidence in you to believe you will hold things together."

While things have got beyond my thoughts and ways I know I am to blame. I am living in an age I was not fitted for. You are now selling cows for more than I ever sold them for. You are growing better stock than I ever did. The old range is just as good as you make it. Help nature to cure a lot of our old-time mistakes and you will continue to do so, I am sure.

It is I who is out of line. It is not you younger ones, so my hat is off to you and your many organizations to protect yours and the future cowfolks' interest in this great land. In all the world there is none like our country, so I will say, "Keep the seeds of freedom in the hearts of all future citizens of our land."

I am quoting an old-time poem composed by Flora May Dean, which expresses her thoughts of the old-time freighters of Crosby county, Texas, when it was the only county that was organized on the South Plains of Texas and the country all belonged to God and us.

I hope that many of you younger cow folks now punching cows in airplanes and high powered motor cars will pause a few minutes and read the trials of the freighters of the early days.

THE OLD FREIGHT TRAINS

Across the trails of the long ago,
I seem to see the freight wagons go,
From teeming cities loaded down,
With needs for little frontier towns.
White covered wagons, loads piled high,
I see between the earth and sky,
As the train goes over the canyon rim,
Down a trail rough, and grass grown,
and dim.

And up again on the other side,
Across a prairie, rolling and wide,
Down a lonely road, through a lonely
land,

With seldom a clasp of a friendly hand.
Save of each other along the road,
The wagons with their precious load,
Driving by day, and resting by night,
Eating their meals by the campfire's
light.

Spreading their beds by the dim firelight,
Resting their teams through the long
dark night,

And up again at early dawn,
The wagon train starts rolling on,
On to the little towns called home,
At last the weary freighters come,
Bringing the needs of every day,
To the frontier towns so far away.
From the crowded cities across the plain,
Their only link the wagon train,
And the lonely road through the lonely
land,

Is the freighters a brave and patient
band.

The teams and wagons sturdy and strong,
And the precious freight as it rolls
along.

Bringing life itself to the frontier town,
At the end of the trail as the sun
goes down.

—By Flora May Dean.

Old Bob often thinks of those days as he watches the younger ones in their high powered cars and as they fly overhead in their airplanes. My hat is off to you young cowmen and to all the descendants of my old comrades. Old cowboys never die, they just ride on into the setting sun and fade away.

Central Texas Shorthorn Breeders Meet

T P. COBURN, Blum, was elected president of the Central Texas Shorthorn Breeders Association at a meeting held in Stephenville March 22. Glen Fronk, DeLeon, was elected vice-president, and Seth Turner, Dublin, secretary-treasurer. Autrey Caraway, De Leon, retired as secretary-treasurer, after having served the association for a number of years.

Directors of the association are C. H. May, Moody; J. S. Flowers, Hico; Edward Perkins, Evant; and Dean Miller, DeLeon.

Breeders Report Excellent Results
from Advertising in The Cattleman.

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Use LINTOX for control on animals . . . MALRIN for control in buildings

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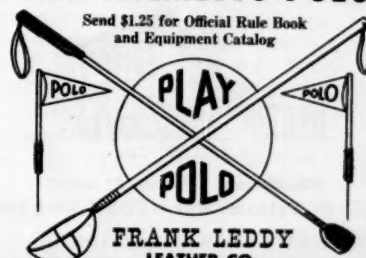
BRISTOL, TENN—"We have been using your Pink Eye Powder for our cattle and find it gives wonderful and quick results."

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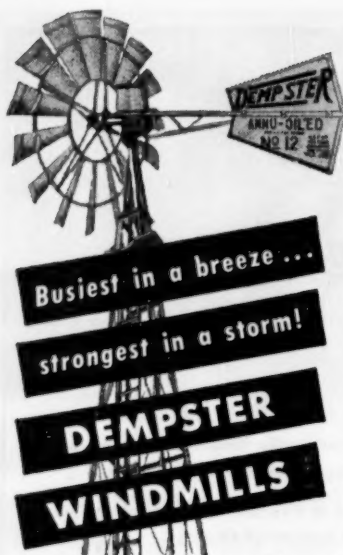
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Breeders Report Excellent Results from Advertising in The Cattleman.

Protein Supplements for Wintering Heifer Calves

Feeding Trials at Lake Carl Blackwell Experimental Range Near Stillwater, Okla., Show Gains Increased With Higher Protein Supplements

By A. B. NELSON, J. P. FONTENOT, O. B. ROSS,
ROBERT MACVICAR and A. E. DARLOW

(Editor's Note: The following was condensed from Bulletin B-437 released by the Agricultural Experiment Station, Oklahoma A&M College, Stillwater.)

EFFICIENT winter feeding of beef cattle consists of providing adequate roughage and properly supplementing this roughage with deficient nutrients. Mature native grass and good quality hay provide an adequate intake of energy for wintering cattle. In most instances, the total protein content of this form of feed is not sufficient for making best utilization of the roughage nor for meeting an animal's need for protein for actual tissue growth and repair. Under these circumstances supplemental protein should be furnished.

Not too many years ago, only high-protein feeds such as cottonseed and other oil meals were fed as supplements during the winter months. In recent years, however, a greatly increased tonnage of supplements containing less than 40 per cent protein has been fed in the range beef cattle areas of the country; therefore, cattlemen need to know the relative value of supplements of different protein content.

This bulletin reports the results of feeding trials at the Lake Carl Blackwell Experimental Range Unit near Stillwater, Oklahoma. These trials were designed to determine the relative value of supplements containing approximately 20, 30 and 40 per cent protein when fed to weaning heifer calves allowed access to prairie hay or dry native grass pasture during the winter.

Procedure

The experimental animals consisted of 253 grade Hereford weanling heifer calves, a different group of heifers being used in each of four years (1949-50, 1950-51, 1951-52, 1952-53). Five lots of calves were used during the first year. There were eight heifers in each of three lots and 11 heifers in each of the other two lots. In each of the three subsequent years there were seven lots of 10 heifers each. Allotment of calves was according to weight.

During the winter feeding period the heifers of Lots 1, 2 and 3 were fed prairie hay, free-choice, in small traps. They were also fed an average of 1 pound per head per day of 20, 30 and 40 per cent protein supplements, respectively. The heifers of lots 4, 5, 6 and 7 were allowed to graze the dry native grass at

the Lake Carl Blackwell range area during the wintering period. Those of lot 4 were fed an average of 2 pounds per head per day of 20 per cent protein supplement and those of lot 5 were fed 2 pounds of the 40 per cent supplement. The heifers of lots 6 and 7 were fed an average of 1 pound per head per day of 20 and 40 per cent protein supplements, respectively. The prairie hay and supplements were fed every other day. All cattle had access to a mineral mixture composed of two parts salt and one part steamed bonemeal.

The average date at the start of the winter feeding period was October 31. The average date at the end of the period was April 2, with an average length of 153 days.

Results

The average winter gain of the heifers wintered in traps and fed prairie hay supplemented with 1 pound per head per day of 20, 30 and 40 per cent protein supplement (Lots 1, 2 and 3) was —11, 34 and 81 pounds, respectively. The gains of the heifer calves were directly related to the protein content of the supplement fed. It appears that the level of protein was the factor limiting gains. The average hay consumption of the heifers fed the 30 and 40 per cent protein supplement was about equal and exceeded that of the heifers fed the 20 per cent supplement.

The average cost per head during the wintering period increased with each increase in the protein content of the supplement. However, the average winter gain increased sufficiently so that the net return per heifer was positively related to the percentage of protein in the supplement. The 4-year average shows that the lot of heifers fed the 40 per cent supplement was the only one in which the value per heifer at the end of the winter exceeded the total cost per heifer (heifer plus feed). Heifers that gained the least during the winter gained the most during the subsequent summer grazing period. The average yearly gain of the heifers of lots 1, 2 and 3 was 250, 273 and 290 pounds, respectively. Thus, the average yearly gain was directly related to the protein content of the supplement fed during the winter.

Heifers Grazing Native Grass Pasture

The heifers that were allowed to graze the dry and cured native grass (lots 4, 5, 6 and 7) and fed 2 pounds per head per day of 20 and 40 per cent protein supplements during the winter (lots 4

and 5) gained an average of 15 and 38 pounds respectively, during the wintering period. The heifers fed 1 pound per day of 20 per cent protein supplement (lot 6) lost an average of 26 pounds per head, while those fed 1 pound of 40 per cent protein supplement (lot 7) gained an average of 15 pounds per head. Thus on an equal intake basis, the supplement containing the higher amount of protein promoted the greater winter gain.

During the three years in which both lots 4 and 7 were included in the study, the heifers of lot 4 (2 pounds 20 per cent protein) gained an average of 12 pounds per head and those of lot 7 (1 pound 40 per cent protein) gained an average of 15 pounds per head. These results indicate that protein and not energy was the first limiting factor under this system of feeding and management. It may be that when pastures provide only limited amounts of dry cured native grass, the additional energy supplied by 2 pounds of the 20 per cent protein would be beneficial.

The average feed cost per head during the winter was higher for the heifers fed the 40 per cent protein supplement than for those fed an equal amount of the 20 per cent protein. The average financial results for the wintering period were losses in all lots. However, when the supplements were fed at the same level, the financial loss was greater when feeding the 20 per cent protein.

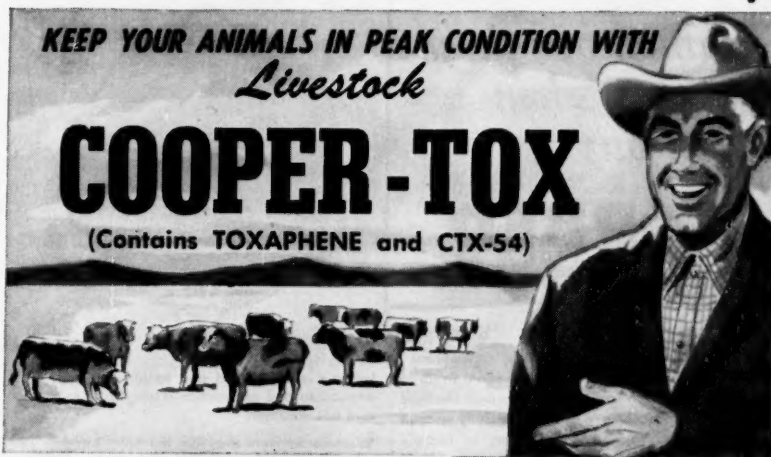
During the summer grazing period the heifers of lots 4, 5, 6, and 7 gained an average of 261, 230, 276 and 241 pounds respectively. As was observed with heifers wintered in traps, when the supplements were fed in equal amounts the summer gain was inversely related to the winter gain and the protein content of the supplement.

The average yearly gain of the heifers fed the 20 and 40 per cent protein at the one-pound level was 250 and 256 pounds. The average yearly gain of the heifers fed the above supplements at the 2-pound level was 276 and 268 pounds. These small differences in gain suggest that if the supplements are fed at the same level and good grazing is available in the summer, heifers fed the 20 and 40 per cent protein may make about equal yearly gains. However, it is possible that feeding only small amounts of low protein supplements to calves during the winter months may have an adverse effect on their subsequent performance in later years.

Summary

When supplements containing 20, 30 and 40 per cent protein were fed in equal amounts under approximately the same experimental conditions, the average winter gains were directly related to the protein content of the supplement. The average winter gain of the heifers wintered in traps and fed prairie hay supplemented with 1 pound per head per day of 20, 30 and 40 per cent protein supplement was —11, 34 and 81 pounds, respectively. Heifers that were allowed to graze the dry native grasses during the winter and fed 2 pounds of 20 per cent protein supplement, 2 pounds of 40 per cent sup-

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plement, 1 pound of 20 per cent protein and 1 pound of 40 per cent protein, gained an average of 15, 38, 26 and 15 pounds, respectively, during the winter season.

Heifers that gained the least during the winter gained the most during the subsequent summer grazing period. The average yearly gains of the heifers wintered in traps and fed prairie hay increased with increases in the protein content of the supplement fed during the winter. The differences in yearly gains were very small when the 20 and 40 per cent protein supplements were fed in equal amounts to heifers grazing the dry native grass during the winter.

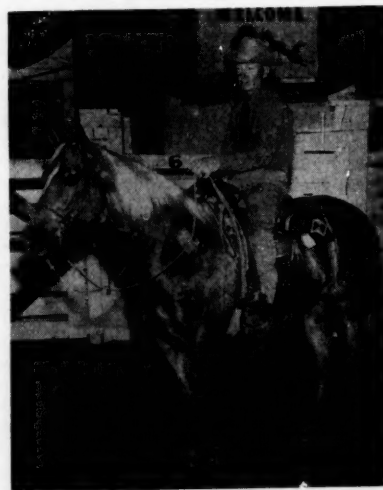
Mineral Shortage May Cause Chewing

WHEN cattle mysteriously develop the habit of chewing on the barndoor or the nearby fence post, it's more than a habit; there's usually a reason for it. So says the American Veterinary Medical Association.

Veterinary research has indicated there may be a shortage of certain minerals in the ration fed the cattle. In most cases the wood chewing would stop if trace minerals and steamed bonemeal were given.

Salt also is a mineral that must be supplied constantly in the ration. But animals not getting salt regularly may take too much. This will often cause an animal to scour and go off feed, and causes the death of many swine, the Association says.

I have been a subscriber to The Cattleman for several years and I read everything that is published in same.—C. D. Baldwin, Atlanta, Ga.



Quarter Girl, champion Palomino reining horse, Southwestern Exposition and Fat Stock Show, owned by K. Lee Williams, Winthrop, Ark. Hughie Long up. Quarter Girl was also grand champion at the State Fair of Texas last year.

2480

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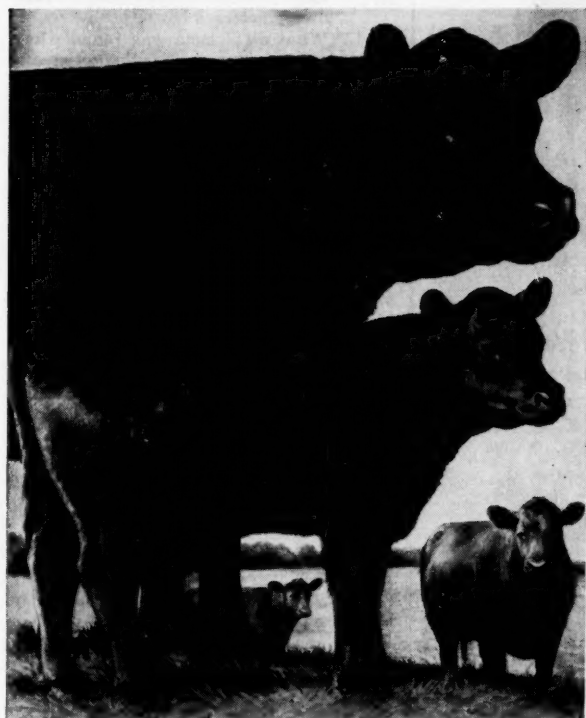
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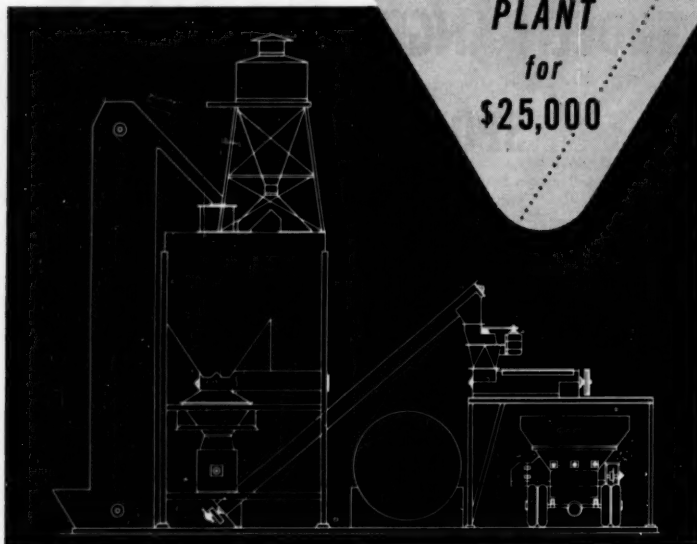
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Shirley Sales Service Satisfy

**Beef Cattle Selection Based
On Performance**

(Continued from Page 34)

ration high in grain, they would be at a disadvantage.

- Q 8. Will fast gaining cattle require more or less feed per 100 pounds gain?
- A 8. Less. Records show that the high-gaining 30 per cent of cattle made about 26 per cent more gain than the low-gaining 30 per cent, yet required about 19 per cent less feed per 100 pounds of gain.
- Q 9. Will a bull with superior ability to gain transmit this ability to his calves?
- A 9. Yes. Weaning weights, gains as stocker calves or yearlings and gains in the feed lot will all be increased.
- Q 10. What difference has been found in weaning weights of calves sired by high-gaining and low-gaining bulls?
- A 10. At PanTech Farms, 67 calves sired by high-gaining bulls averaged 38 pounds per head more at weaning time than the same number sired by low-gaining bulls. All bulls were bred to randomly selected cows.
- Q 11. What difference was found when the calves were handled as stocker cattle?
- A 11. Eleven heifer calves sired by high-gaining bulls, when handled as stocker cattle, averaged 41 pounds more at weaning time, 60 pounds more at 12 months and 84 pounds more at 18 months of age than 11 heifers sired by low-gaining bulls.
- Q 12. How do the feedlot gains of steers sired by high-gaining bulls compare with gains of steers sired by bulls which have not been selected for gaining ability?
- A 12. At Bluebonnet Farm, calves sired by two top-gaining bulls gained an average of 62 pounds more per head in 154-day feeding periods following weaning, than the calves sired by 39 untested sires.
- Q 13. Have all the tests at PanTech Farms indicated that high-gaining cattle make the most profit?
- A 13. In every case tested, yes. The selection of bulls based primarily on tested ability to gain has shown that high-gaining bulls can, based on present prices, increase the value of each weaning calf \$7.50, a 12-month-old calf, \$12.00, and an 18-month-old yearling, \$16.50. The increase in values shown above were based on 1952, '53 and '54 beef cattle prices. Calves sired by high-gaining bulls and fed approximately five months gained 15 per cent more than those sired by low-gaining bulls.
- Q 14. What about the quality of meat produced by high-gaining steers?
- A 14. Over 200 tested cattle have been

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slaughtered in the Meats Laboratory at Texas A&M College. Detailed slaughter information has been gathered, the carcasses have been graded by official government graders, and cooking and palatability tests have been conducted.

The grade of carcass and quality of meat produced by the high gainers has been above the average of those tested. No "coarseness" of meat has been observed.

- Q 15. Should a breeder limit his selection of breeding bulls to those having high-gaining ability alone?
- A 15. No. Milk production has more influence than any other factor on weight of calves at weaning. Therefore, weaning weights are necessary. Since grade or conformation, along with weight, largely determine the price per pound which calves will bring, grade remains a necessary consideration.
- Q 16. Does this mean that selection based on performance is limited to bulls?
- A 16. No. The following factors must also be considered:
- Selecting the heaviest heifers at weaning time for replacements each year will increase the pounds of beef produced per cow in the breeding herd.
 - Culling cows which do not calve regularly will increase the beef production of the herd. If a breeder has a herd of 100 cows and gets an 80 per cent calf crop averaging 400 pounds at weaning, he can sell 32,000 pounds of calves. Increasing the calf crop to 90 per cent will allow him to sell 36,000 pounds of calves, an increase of 4,000 pounds. This is as much increased weight as he can obtain by increasing weaning weights to 450 pounds.
 - Culling cows which produce light calves. In most breeding herds some cows regularly produce calves weighing 450 pounds or more while others produce calves weighing 350 pounds or less. They both cost about the same to maintain, yet the heavy-producing cows produce more salable calf weight in four years than the light producers do in five.
- In the above example, increased calf crop percentage and increased weaning weight together would permit the producer to increase his salable calf weight 8,000 pounds.
- Q 17. What other factors should be considered in a systematic selection program based on performance and grade?
- A 17. a. General soundness. Avoid bad udders, bad legs, cancer eye, and other physical defects.
b. Long productive life.

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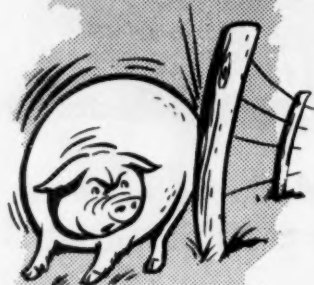
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c. Hardiness—adaptation to the production conditions.

Q 18. Is it advisable to select the cow herd on the basis of performance and yet buy bulls on the basis of conformation alone?

A 18. No. Using a bull on which information concerning his weaning weight and ability to gain is lacking could more than offset the progress a breeder would make in working with his cow herd. The two must be used together.

Q 19. How can the purebred or commercial cattlemen make use of these findings?

A 19. Fundamentally, it is simply a matter of measuring performance of production by means of systematic record keeping. This means identification of animals, individual records of production on females and the use of tested bulls. Details of the records may be governed by the size of the operation and the facilities available.

Q 20. Where can cattlemen obtain information on and directions for setting up a record of performance program on a beef herd?

A 20. The Agricultural Extension Service in Texas and a number of other states has developed beef cattle improvement programs which embody the basic truths revealed by cattle breeding research. L. A. Maddox, associate agricultural extension agent, located at Amarillo, is now devoting full time working with county agents in the Panhandle of Texas, establishing demonstration herds with breeders of purebred and commercial beef cattle. Details of the plan vary with the size of the herd and the facilities available, but basically it is a process of identification, measuring performance by use of scales, systematic record keeping and the use of those records in the selection and culling of breeding animals.

The program will be extended to other parts of the state when there is a demand for it and as county agents can be trained in the program.

Australian Santa Gertrudis Breeders Organize

SANTA Gertrudis breeders in Australia have recently organized a new association to be known as the Santa Gertrudis (Australian Breeders) International. Breeders from Queensland, New South Wales and Victoria elected S. Horden as president of the new body.

Since the breed was first introduced in Australia three years ago, some 45 breeders have bought Santa Gertrudis bulls and owners of commercial herds are also negotiating with American breeders for the purchase of females to set up studs.

*There is no death. The stars go down
To rise upon some other shore.
And bright in Heaven's jeweled crown
They shine forevermore.*

J. L. McCreary

C. M. Hightower

C. M. Hightower, well known attorney and rancher of Liberty, Texas, was found dead in his car about two miles south of Cleveland, March 30, apparently the victim of a heart attack. The car had left the road and run into the edge of a wooded area before coming to a stop. According to officials Hightower had gone to see about his livestock when he suffered the attack. Survivors include his widow; three brothers, Judge T. J. Hightower of Liberty county, and Allen and Graham Hightower of Plum Grove; and three sisters, Mrs. E. G. VanDeventer, Liberty, Mrs. E. M. Smith and Mrs. L. H. Pickel, both of Houston.

John Purcell

John Purcell, pioneer Archer county attorney and rancher, died March 23 at the age of 95. Purcell, a native of North Carolina, came to Archer City in 1890. He served as postmaster during the 1890's and was an early-day county judge. Survivors include two daughters, Mrs. R. O. Andrews of Archer City and

Mrs. W. W. Reeves of Dublin; a son, Graham B. Purcell of Archer City, and seven grandchildren, and 11 great-grandchildren.

M. A. Prideaux

M. A. Prideaux, 36, member of a pioneer Young and Archer county ranching family, died March 24 of injuries sustained in an automobile accident, when his car overturned 12 miles southeast of Graham. Survivors include his daughter, Pamela; a son, Minton; his mother, Mrs. H. O. Prideaux, all of Graham; a brother, R. O. Prideaux, Carbondale, Colo.; and three sisters, Mrs. Charles Loveless, Roswell, N. M., Mrs. William Hall, Waco, and Mrs. Richard Greer, Fayetteville, Ark.

Mrs. W. L. Kingston

Mrs. W. L. Kingston, pioneer West Texas ranch woman, died at her home in Toyahvale, March 5, at the age of 91. She had been a resident of the area for more than 70 years. Mrs. Kingston moved with her family to Fort McKavett at an early age and later was married to William Lewis Kingston, settling in the south Reeves and north Jeff Davis counties area. The couple lived in a tent until their first home was built, made from lumber Kingston hauled from the railroad at Toyah 50 miles away. Survivors include the husband; two sons, Joe and Duncan Kingston, both of Toyahvale; a

daughter, Mrs. Fannye Lovelady of Hillside, Ariz.; 12 grandchildren and 10 great grandchildren.

Mrs. Sallie Thompson Flaniken

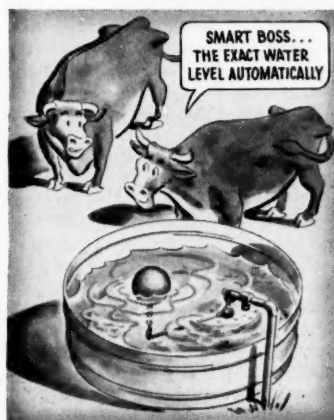
Mrs. Sallie Thompson Flaniken, member of an early day Texas family, died March 25 at the ranch home of her daughter and son-in-law, Mr. and Mrs. W. E. Dunlap, near Utleyville, Colo., at the age of 85. Mrs. Flaniken's great great grandparents on both sides came to Texas with the Stephen F. Austin Colony in the early 1880's, settling in Brazoria county. Mrs. Flaniken and her husband moved to Colorado in 1917 where she lived until her death. She is survived by four daughters, Mrs. W. E. Dunlap, Utleyville, Colo., Mrs. O. Z. Nesbitt, Muskogee, Okla., and Mrs. Len Kiper, Wichita Falls, Texas; and five sons, Joe and Doss of Visalia, Cal., F. A. of Wichita Falls, Texas, Don C. of Caracas, Venezuela, S. A. and T. R. Flaniken of Lincoln, Neb.

Albert P. George

Albert P. George, Richmond, Texas, cattleman, oil man and philanthropist, died in the Rice Hotel April 4 during a visit to Houston at the age of 81. George, member of an early Ft. Bend county family, had been a lifelong resident of Richmond. Besides his oil interests, George owned a 21,000 acre ranch in Fort Bend county and specialized in raising Santa

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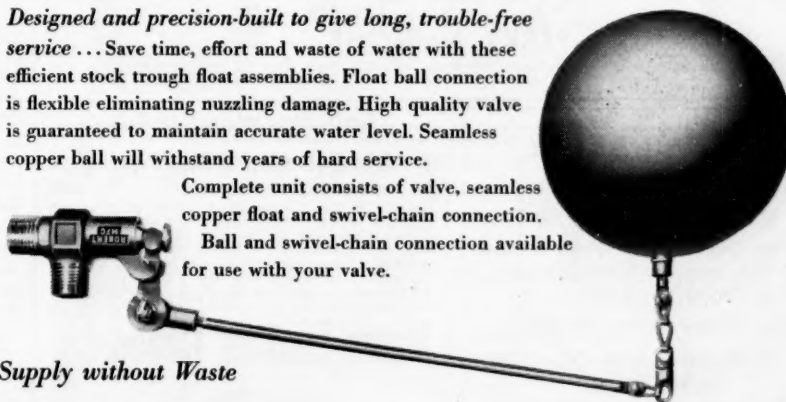
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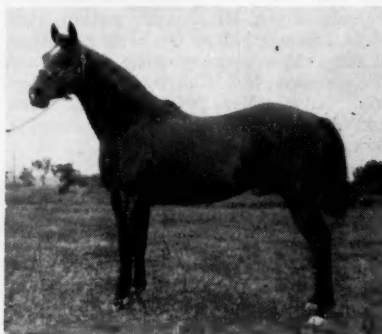
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This great son of Oklahoma Star P-6 is the sire of the great AQHA Champion N. R. Paul A. P-19794, one of the highest selling horses of all time, also sire of many other outstanding colts. Two colts by this great horse could more than pay for him.

- ★ Yearlings by our great show and breeding stud, Poco Champ P-30808. These are his first colts.
- ★ Yearlings by Buck Tommy P-33072
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- ★ Four sons and daughters of Wimpy II P-3433
- ★ A sure enough good daughter of King P-234, this is Panna Maria P-31027 out of Pet Troutman P-667
- ★ Young producing brood mares by such great stallions as Bert P-227, Bobby Weimer P-9892, Tamo P-1314, Joe Bailey P-4 and Little Fred P-962
- ★ A string of good geldings, some trained, some started.

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We are selling our entire 1954 crop of colts by Poco Champ, Buck Tommy and Star Deck, along with two of these great stallions and breeding mares and show stock.

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Gertrudis cattle, many of which were prize winners. Among his philanthropies was the founding, through the George Foundation, of the Polly Ryon Memorial Hospital at Richmond, valued at more than \$500,000. He is survived by his wife, whose ancestors were among the "old 300" of Austin's colony. The colony settled in San Felipe in 1823 and moved to Fort Bend a year later.

Muryl M. Nornhausser

Muryl M. Nornhausser, owner of Norco Ranch, Wimberly, Texas, died at his ranch March 23 at the age of 62. Nornhausser first operated in the Carlsbad, N. M., area, later moving to El Paso and then to San Antonio. He had operated the Norco Ranch near Wimberly for the last eight years. Survivors include his widow; and a daughter, Mrs. Margie N. Hale of Austin, Texas.

Joseph Warburton

Joseph Warburton, Bloomington, Texas, stockman and rancher, died March 8 at the age of 71. He was a native of Refugio county and had lived at Bloomington for 45 years. Survivors include his widow; two sons, John Rose Warburton of LaFeria and Joseph Overton Warburton of Brownsville; two daughters, Sister Margaret Rose of San Antonio and Mrs. J. M. Keefe of Victoria; a sister, Mrs. T. C. Holeman of McFaddin; eight grandchildren and seven great grandchildren.

E. M. Pyle, Jr.

E. M. Pyle, Jr., 77, cattleman of Kiowa and Comanche counties, Kansas died April 4 after an illness of several years. Pyle's brand (end wrench) was brought from Missouri by his father and is one of the oldest brands in continuous use in Kansas. Pyle, with his parents and two older sisters, came to Kansas in 1878 in a covered wagon, settling first in Medicine Lodge. In 1884 the family moved to old Comanche county, now Kiowa county, where Pyle spent the remainder of his life. He is survived by his wife; three sons, E. M. Pyle III, Eben Woodward Pyle and Jack Stanley Pyle; a daughter, Mrs. Thelma Lorraine Koehn; three sisters, Miss Nell Pyle and Mrs. Capitola P. Lanier of Haviland, Kans. and Mrs. Myrtle P. Marcellus of Emporia, Kans., and ten grandchildren.

Wallace Ulmer

Wallace Ulmer, president of the National Woolgrowers Association, died in Miles City, Mont., March 31 of a heart ailment. He was 58 years old. Ulmer succeeded Ray Willoughby of San Angelo, Texas, as president of the National Woolgrowers Association in January of this year.

E. G. Blair

E. G. Blair, pioneer of Texico, N. M., died recently at the age of 74. Blair was born in Johnson county, Texas, and went to New Mexico in 1903. He was vice-president of the Curry County National

Farm Loan Association. Survivors include his widow; a son, Joe Blair of Farwell; a daughter, Mrs. Helen K. Wellman of Milwaukee, Wis.; a sister, Mrs. J. E. Bingham of Bovina, and five grandchildren.

Mrs. Cora McKinnie Hartgrove

Mrs. Cora McKinnie Hartgrove, member of a widely known West Texas ranching family, died in a Ballinger hospital April 18 after a brief illness at the age of 86. Mrs. Hartgrove, a native of Colorado, came to Texas as a child and lived for a time at Weatherford, Dublin and Ballinger. She had made her home at Paint Rock since 1919. She served as a member of the advisory board of the board of trustees of Texas Christian University from 1912 to 1944 and had also served as a director of the First State Bank of Paint Rock. Survivors include three sons, Mack, Scott and Wilson Hartgrove, all of Paint Rock; a stepson, Ed A. Hartgrove of San Angelo; two daughters, Mrs. Ellen Sims of Paint Rock, and Mrs. Dale S. Campbell of Dallas; a sister, Mrs. F. C. Crews of Washington, D. C.; 21 grandchildren, 17 great-grandchildren and two great-great-grandchildren.

William A. Roberts

William A. Roberts, president of the Allis-Chalmers Manufacturing Company since February, 1951, died April 12 after a short illness at the age of 57. Roberts was a native of Osceola, Mo., and was reared on his father's farm. He joined Allis-Chalmers in 1924 as agricultural sales representative in the Wichita, Kans., area, resigning after several years to become a partner in a farm equipment dealership in Canada. He rejoined the company in 1930 and was named sales manager of the tractor division in 1941. He became a director and member of the executive committee in 1948. Much of the tractor division's growth during the past 25 years is attributed to Roberts' foresight, direction and leadership.

Charley Newsom

Charley Newsom, oil man and Aberdeen-Angus breeder of Seminole, Okla., died March 25 at the age of 66. Newsom established Charmay Farms and had developed it into one of Oklahoma's most prominent Aberdeen-Angus breeding ranches. In recent years he has operated the ranch in partnership with Joe Mills, Seminole drilling contractor. Newsom was born in Missouri and moved to Oklahoma as a child with his parents who entered the state in the opening of the Cherokee Strip, settling near Perry. In later years Newsom moved from Oklahoma City to Seminole where he was a lease and royalty dealer. He was a past president of the Oklahoma Aberdeen-Angus Breeders Association and had been honored many times for his work with 4-H clubs and his service to soil conservation. Survivors include his widow, two daughters, Mrs. Joe Mills, Seminole, and Mrs. X. R. Campbell, Oklahoma City; three sisters, Mrs. J. B. Ash, Wich-



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LHR ZATO HEIR R. 12th
April 10, 1950

Zato Heir W. 58th 5227653	{ H&D Tone Lad 105th WHR Marigold 3rd	{ H&D Zato T. Lad 8th Miss Heir 182d Golden Domino 14th WHR Marie Domino
Golden Blanchard 1st 5203346	{ Royal Domino 56th Opal Blanchard	{ WHR Monogram 12th Donna Domino 4th Royal Domino 9th Miss Blanch. Repeater

Here is an outstanding son of Zato Heir W. 58th by H&D Tone Lad 105th. You will like this herd bull. He sells and his get and service sell.



LHR ZATO HEIR 43d
April 19, 1950

Zato Heir W 58th 5227653	{ H&D Tone Lad 105th WHR Marigold 3d	{ H&D Zato T. Lad 8th Miss Heir 182d Golden Domino 14th WHR Marie Dom. 32d
Miss Rosie Blanchard 3777575	{ Blanchard Lad 34th Beatrice Repeater	{ Viking Blanchard 21st Mae Domino Pine Coulee Ideal Balzac M. Repeater 3d

Another top grandson of famous H&D Tone Lad 105th, sire of the Zato Heirs. He and his get and service will sell on May 23-24. See him sale day!

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LARRY DOMINOS • ROYAL DOMINOS
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DISPERSION SALE



SH ZATO HEIR 1st
Aug. 29, 1952

Zato Heir W. 58th 5227653	{ H&D Tone Lad 105th WHR Marigold 3d	{ H&D Zato T. Lad 8th Miss Heir 182d Golden Domino 14th WHR Marie Dom. 32d
Miss Rupert 1st 5826701	{ WHR Monogram 12th Princess Rupert 4th	{ Prince Domino C. Miss Dom. Stanway 1st Prince Rupert 6th Donna Domino 18th

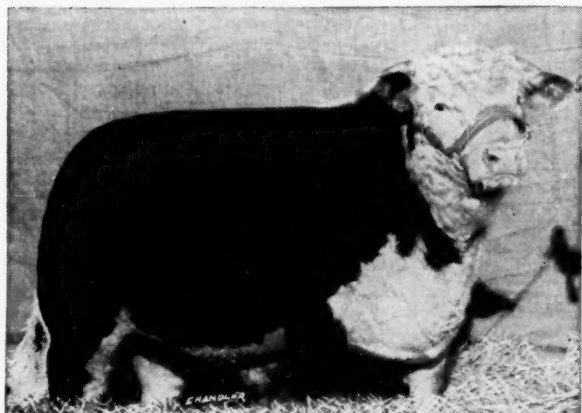
Another outstanding pedigree and a top herd bull to go with it. He is a grandson of H&D Tone Lad 105th. He, his get and service sell!



AG TONE LAD 2d
May 8, 1951

H&D Zato Tone Lad 8th 2863405	{ Zato Tone 2d Bonnie Blanchard 26th	{ Zato Rupert Aussi Tone 2d Beau Blanchard 225th Villisca Elect. 62d
Betty Brackett 5th 3543779	{ Defiance Domino 12th Miss H. Brackett	{ Defiance Domino Highwood Lady 5th Chandler's B. 5th Panama Rose 2d

Another half-brother to famous H&D Tone Lad, 105th, this good breeding bull will win lots of friends because he is a sire of quality. Carefully study the deep, thick youngsters by him and you will agree that he is tops. Here is an opportunity to head your herd with a half-brother to the sire of TR Zato Heir. HE SELLS, HIS GET AND SERVICE SELL!



AG TONE LAD 1st
April 12, 1951

H&D Zato Tone Lad 8th 2863405	{ Zato Tone 2nd Bonnie Blanchard 26th	{ Zato Rupert Aussi Tone 2d Beau Blanchard 225th Villisca Elect. 62d
Tone Heiress S. 16th 5087894	{ H&D Tone Lad 21st Salome Mischief 3d	{ H&D Tone Lad 8th Bonnie Mischief 161st Beau Flowers Salome Mischief

Here is a really top breeding bull. He is a half-brother to H&D Tone Lad 105th, sire of Turner Ranch's Register of Merit sire, TR Zato Heir. You will note that he is a double-bred H&D Zato Tone Lad 8th bull. He sired the reserve champion and second top-selling heifer at the recent 1955 Valley City Winter Show-Sale. HE SELLS, HIS GET AND SERVICE SELL!



LHR ZATO HEIR R. 88th
July 16, 1950

Zato Heir W. 58th 5227653	{ H&D Tone Lad 105th WHR Marigold 3d	{ H&D Zato Tone Lad 8th Miss Heir 182d Golden Domino 14th WHR Marie Domino 32d
Real Princess Dom. 36th 4443295	{ Perfect Real Lad Miss Domino 2d	{ Real Prince Dom. 88th Countess Bill Diamond Miss SP Domino 793d

This bull is by a half-brother to TR Zato Heir. His sire, Zato Heir W. 58th, was sired by H&D Tone Lad 105th. You will notice that his dam is of Real Prince Domino 33d breeding. HE, HIS GET AND SERVICE SELL!

MAY 23-24

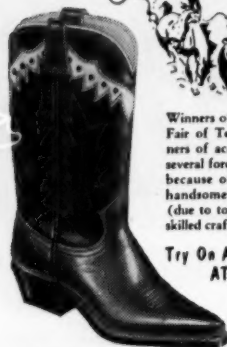
AT THE GREENBERG & SON FARM

The farm is located 1 mile south
and 3/4 mile east of Grand Forks.

GRAND FORKS, N. D.

1st NOCONA

The Boot of Champions



Winners of Blue Ribbons in State Fair of Texas competition. Winners of acclaim in 48 states and several foreign countries. Winners because of their foot comfort, handsome styling, long service (due to top-quality materials and skilled craftsmanship).

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MADE ONLY IN
NOCONA, TEXAS
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NOCONA BOOT COMPANY, Inc.
ENID JUSTIN, President

Choose from the produce of 300 choice Polled Hereford cows—championship bloodlines—grand champion winning herd sires.

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Gladys A. Johnson, Owner
Jacksboro, Texas

On Highways 281 and 199

Phone 2491

J. D. SHAY

REFUGIO, TEXAS

Polled Herefords for Sale
Largest herd of Polled
Herefords in South Texas

N. M. MITCHELL

Polled Herefords

SANDERSON — TEXAS
Visitors Welcome

POLLED HEREFORDS FOR SALE

Herd Bull Prospects and
Good Quality Range Bulls

M. E. Fry & Sons - Cisco, Texas

WINKEL'S POLLED HEREFORD RANCH

Herd Sires

HHR Domestic Mischief 297th, by Domestic Mischief 6th; WPHR Domestic Woodrow, by Ruar Domestic Woodrow; Domestic Anxiety 208th, by Domestic Anxiety 42nd; JFG Domestic Mischief 135th, by Domestic Mischief 97th.

J. W. Winkel — R. F. Winkel
LLANO, TEXAS

The Cattleman

Established 1914

OWNED BY CATTLEMEN

PUBLISHED BY CATTLEMEN

READ BY CATTLEMEN

ita, Kan., Mrs. Cecil Byrd, Long Beach, Calif., and Mrs. Harry Watts, Oklahoma City; two brothers, Frank Newsom, Seminole drilling contractor and owner of Turkey Creek Angus Farm, and Paul, Long Beach, Calif. A half-brother, Earl Mahoney, lives in Oklahoma City. There are four grandchildren.

Milton Henry O'Daniel

Milton Henry O'Daniel, pioneer ranchman and early day stage driver, died in Big Spring, Texas, April 1. O'Daniel was born in Flatonia, Texas, and came to San Angelo in 1887 to drive the first stage between San Angelo and Abilene. He later ranched in Borden, Mitchell and Howard counties, but had been retired the last 15 years. Survivors include his wife; two sons, E. T. O'Daniel and O. D. O'Daniel of Coahoma; three daughters, Mrs. Mary Brown and Mrs. Udonia Bass, both of Big Spring, and Mrs. Leroy Echols of Coahoma.

Frank B. Conrad

Frank B. Conrad, who came to the Oklahoma Indian territory in 1903, died at Marietta, Oklahoma, April 23. He was born in 1874 and was connected with the First National Bank in Marietta for 51 years. His father, F. E. Conrad, went to old Fort Griffin in Shackelford county, Texas, as post trader when the fort was established in 1867 and later was a partner in the Conrad and Rath outfit. He is survived by his wife, one son and daughter and several grandchildren, all of Oklahoma, and a half brother, Louis Conrad of San Angelo, Texas.

M. C. Potter

M. C. Potter, who was born in 1859 at Brownwood, Texas, died December 6, 1954. He had spent the last years of his life at Crosbyton, Texas. Potter was married in 1886 at San Saba, Texas, and the same year went to work in Crosby county for the old Matador Land and Cattle Company. He later worked for the Two Buckle Ranch and the H-L Cattle Company along Blanco Canyon. In 1898 he moved to Floyd county and went to work for the Lazy F or Quitaque Ranch. He was elected tax assessor of Briscoe county in 1916 and lived at Silvertown several years. He is survived by his wife, three sons and three daughters.

Benjamin Thomas Prewitt

Benjamin Thomas Prewitt, 85-year-old prominent Hall county, Texas, farmer and rancher, died recently at the home of a daughter in Childress, Texas. Prewitt was born in Floresville, Texas, in 1870 and as a young man worked around Pecos, Texas. He came north in 1888 with the W cattle that the Mill Iron Cattle Co. had bought and were trailing north to run on their Hall county ranch near Estelline. He worked for the Mill Iron Ranch several years and at one time was wagon boss. He later left the ranch and was in the farming and ranching business for himself for many years in Hall county. Survivors are two daughters, Mrs. Carter of Childress and Mrs.

Carl Nuhn of Falls Church, Va.; two sons, Ben T. Prewitt of Clarendon, Texas, and Bob Prewitt of Odessa, Texas; two sisters, Mrs. Bill Robbins of San Antonio, Texas, and Mrs. Cora Sewell of Houston, Texas, and five grandchildren.

George Shull Joins American Shorthorn Association Staff

GEORGE SHULL, recently associated with the Farmers Guide at Huntington, Ind., has been named head of the promotion department of the American Shorthorn Breeders Association, according to an announcement by Allan C. Atlason, secretary of the association.

Shull, a graduate of the University of Missouri, had served four years as advertising manager of the Farmers Guide and for the last two years as general manager. He served as director of public relations for the Indiana State Fair before joining the Farmers Guide and had previously been associated with a number of newspapers.

Hereford Transactions

Six Hereford bulls and 12 cows have been reported sold by Pronger & Broyles, Dalhart, Texas, to F. A. DeJarnett, also of Dalhart, Texas.

Nine Hereford bulls, recently purchased by Harry Hudgins, Sherman, Texas, were bought from Fortenberry & Christian, Greenwood, Texas.

Paul Lillard, Jacksboro, Texas, has reported 1 Hereford bull, 12 cows and 1 heifer sold to Jim Crum-Irving Martin, Jacksboro, Texas.

Four Hereford cows and 5 heifers have been sold by Dan Mitchell, Jr., Enid, Okla., to James Woodson & Son, Waukomis, Okla.

Warren Douglas, Guthrie, Okla., has made the purchase of 6 Hereford cows from Fred A. Holman, also of Guthrie.

Five Hereford bulls, now in the ownership of John Wofford, Arnett, Okla., were purchased from A. C. Nicholson, Dallas, Texas.

Barney Carter, Tyler, Texas, has just recently sold 16 Hereford bulls to J. W. McFarland of Baird, Texas.

Nine Hereford cows, now in the ownership of G. D. Wilkinson, Purlmela, Texas, were purchased from J. O. Winslar, Jr., Gatesville, Texas.

Cice Ganadera de Chihuahua S. A., Chihuahua, Chih., Mex., recently bought 16 Hereford bulls from Clyde & Ed Latham, Dalhart, Texas.

C. J. Mapes, Dimmitt, Texas, has sold 23 Hereford cows and 2 heifers to B. A. Fuller & Son, Dimmitt, Texas.

Eight Hereford bulls, now in the ownership of Sam Portwood, Seymour, Texas, were purchased from E. W. Hunt, Est., Olney, Texas.

G. L. Kirk, Idabel, Okla., recently made the sale of 10 Hereford cows and 5 heifers to Wayne Sanquin, Hugo, Okla.

Ernest Smith, Wilburton, Okla., has recently made the sale of 6 Hereford cows to Baldwin Bros., McAlester, Okla.

Suncrest-Mill Iron Hereford Company Top \$7,000

SUMMARY

Suncrest-Mill Iron Hereford Company			
16 Bulls	\$ 22,475; Avg.	\$1,405	
112 Females	78,945; Avg.	705	
128 Head	101,420; Avg.	792	

Suncrest			
7 Bulls	\$11,310; Avg.	\$1,616	
57 Females	39,585; Avg.	694	
64 Head	50,895; Avg.	795	

Mill Iron Hereford Co.			
9 Bulls	\$11,165; Avg.	\$1,241	
55 Females	39,365; Avg.	716	
64 Head	50,525; Avg.	789	

THE dispersion of the Suncrest Hereford Ranch Scottsdale herd and an introductory offering of Mill Iron Hereford Co. cattle from Childress, Texas, was held at Scottsdale, Ariz., on Saturday, March 26, with the offering going to buyers from Texas, Mississippi, Massachusetts, California, Missouri, Washington, Montana, New Mexico, Colorado, Wyoming, Idaho and Arizona.

Top of the sale was S. Tarrington 3rd, a September, 1953, son of Free Town Conrite and went to Aldarra Farms, Seattle, Washington, for \$7,000.

The second top came from the Mill Iron Hereford Company herd. He was a proven sire, Mill Iron H-811th, an August, 1949, son of Colorado Domino C-18th (Monkey). He sold to K 4 Ranch, Prescott, Ariz., for \$2,700.

Top female came from the Suncrest herd. She was an October, 1947, daughter of Real Silver Domino 7th, selling with a heifer calf at side by Vern Diamond and rebred to Colorado Domino V-140th (Wallop). She went to Redwood Hereford Ranch, Santa Cruz, Calif., for \$1,600.

Sixteen of the Suncrest females sold for \$1,000 and over; and four of the Mill Iron females sold for over \$1,000.

The larger buyers were Rancho Sacatal, Dos Cabezas, Ariz., 28 females; Kenneth Isaacs, Boston, Mass., 15 females; Frank Feenan, Colfax, Wash., 16 females, and John McKee, Friars Point, Miss., 15 females.

Chas. Corkle and Howard Brown were the auctioneers.

R. D. Cravens Buys O'Bryan Ranch Polled Herefords

R. D. CRAVENS, owner of the Cravens Ranch, Oklahoma City, Okla., recently completed one of the largest transactions of its kind when he purchased 112 Polled Hereford cows and two bulls from O'Bryan Ranch, Hiattville, Kans. The bulls are EER Victor Tone, known as Popeye, Jr., a son of EER Victor Domino 12th (Popeye), and RHR G Victor Domino 21st, a grandson of Victor Domino Return and out of a daughter of CMR Larry Domino.

About one-half of the cows have calves at side and the remainder are due to calve soon.



SELLING OVER 200 FEMALES

in the offering of

335 HEAD ★ 216 LOTS COMPLETE DISPERSION MAY 20, 21

For further details, see pages 44 and 45

JONES HEREFORD RANCH RHOMES, TEXAS

25 miles north of Fort Worth on U. S. 81



DB Larry Domino 34th

A champion and sire of outstanding calves for us.

Top individuals backed up with proven bloodlines make up our bull battery and cow herd. We are constantly working improvement in our herd of 500 head to enable our customers to select the kind that will produce better quality individuals for them.

FOR SALE:

Herd bull prospects, top range bulls and replacement females.

Come by and let us fill your needs.

DUDLEY BROS., Comanche, Texas

Gail, Tom and Eltos Dudley, Owners

Where your feed dollar
buys more pounds
of beef

Write, wire, phone

Aledo Feed Lots, Inc.

ALEDO, TEXAS

TRAK-TOR SPRAYER



Plenty of pressure and volume for spraying livestock, farm buildings, orchards or fence rows — up to 350 lbs. pressure (4½ gal. per minute) at normal PTO speed.

COMPLETE KITS "Ready-To-Use"—Equipped with NYRO "Nylon-Roller" Pump, the tractor pump proved best for both performance and wear. Complete with all controls, gauges, hose, fittings and connections. The low-cost answer to your need for a high pressure sprayer for livestock and other uses!

WRITE For Catalog showing variety of Trak-Tor Sprayers offered, also "Wide-Jet" Sprayers. All at new low prices! Also "30-Day Trial Plan" Write—

FARNAM CO., DEPT. TS6, OMAHA, NEBR.

Your brand is your own trade mark. Record it . . . protect it!

New Mexico Cattle Growers Meet in Albuquerque

AROUND 2,000 ranchers and members of their families attended the 41st annual convention of the New Mexico Cattle Growers Association held in Albuquerque last month. All officers were re-elected and Albuquerque again selected for the 1956 convention.

Sherwood Culberson, Lordsburg, is president; Carl Johnson, Jr., Lovington; Noel Rankin, Cliff; Dick Snyder, Clayton; and Sam D. Steele, Fort Sumner, all vice presidents; and E. O. Moore, Jr., Carlsbad, secretary-treasurer.

Directors also re-elected are: Anderson Carter, Portales; Andrew Chitwood, Clovis; R. C. Cox, Winston; J. L. Davis, Cimarron; Phil Harvey, El Paso, Texas; James Morrow, Raton; Dorrance Roderick, El Paso; Mrs. Earl T. Smith, Raton; J. P. White, Jr., Roswell.

Jay Taylor, president of the American National Cattlemen's Association, told the convention that a new chemical—stilbestrol—is going to reduce the cost of fitting calves in the feed-lot.

R. L. Blackwell of New Mexico A. & M. College, reported that large cows gave a better calf crop than compact cows.

Junior cattle growers showed how elimination of Bang's disease can cut ranchers' costs.

Beef promotion efforts are getting results. R. C. Pollock of the National Beef

Institute, said beef consumption has increased 42.8 per cent in the past 10 years.

A good market for beef is predicted for the next 10 months. P. O. Wilson, manager, National Live Stock Producers Association, says American payrolls will remain high.

Ranchers are taking a new look at registered bulls. Looks won't count as much in the future as weight-gain records of the bull's offspring, Taylor and Pollock say.

Culberson reported co-operation with the State Game Department, some progress in keeping uranium-hunters from damaging ranch property, and a temporary stand-off in the Army's attempt to grab more New Mexico land for Ft. Bliss. W. O. Culbertson, Jr., Chairman of the Legislative Committee, reported many good measures passed in the 1955 Legislature and none that would hurt livestock interests.

In closing session of their convention, the New Mexico cattle growers urged the federal government to extend drouth emergency loans and feed programs, sought legislation to allow better use of grazing lands, and asked for streamlining of bank loans.

The resolution asking extension of drouth emergency loans and feed programs urged such aid for "counties where requested by county committees."

The request for streamlining of bank loans urged extension of the emergency loan program due to end in July; exten-

sion of repayments over a 10-year period; a relatively low rate of interest; additional farm mortgage credit comparable to the former land bank sioner loans; a loan program for farmers to consolidate their debt; and a revision of real estate mortgages and provisions for a borrower to make reasonable land payments from sale of farm products.

Other resolutions included:

A request that the Army conduct any maneuvers in New Mexico on land it already controls and not on grazing land.

Asked Congress to make participation in the federal social security program voluntary for self-employed ranchers instead of compulsory as it now is.

Endorsed the Upper Colorado River project.

Opposed any further cut in tariffs.

Urged passage of the "stockmen's grazing bill" which died in the House of Representatives of the last session after being passed by the Senate.

Urged that all cloud seeding "be brought under federal study with the thought of possible future regulation."

The Cattleman

Established 1914

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PUBLISHED BY CATTLEMEN

READ BY CATTLEMEN

**BARGAINS
GALORE!**

ALL FEMALE SALE

OVER 150 HEAD 100 LOTS

60 Cows With Calves—Most Rebred

40 Bred Cows and Bred

and Open Heifers

Featuring

Famous Hill Country Quality . . . Dependable Bloodlines

Now Better Than Ever

CONSIGNORS

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Allen Gibson	Harper, Texas
Ernest Priess & Son	Mason, Texas
Silas E. Kothmann	Mason, Texas
G. F. Henke	Fredericksburg, Texas
Mrs. Herman J. Weinheimer & Son	Stonewall, Texas
E. W. Kothmann & Son	Mason, Texas
Frank E. Jordan	Mason, Texas
S. G. Boynton	San Saba, Texas
Schmidt Hereford Ranch	Mason, Texas

J. D. & Joyce Jordan	Mason, Texas
Roy Priess	Hurst, Texas
Sawyer Hereford Farm	Cherokee, Texas
Edward Stein	Fredericksburg, Texas
Charles H. Moss	Llano, Texas
Jaime Lee	Mason, Texas
Roscoe Eckert	Mason, Texas
M. R. Duderstadt	Harper, Texas
Perry Priess	Mason, Texas
T. O. Reardon & Son	Mason, Texas

*Which have produced many
champions . . . including the
1955 Record Priced Grand
Champion Steer at San An-
tonio that sold for \$14,000.*



Results of PanTech Farms Bull Progeny Tests

A PEN of three Hereford bulls, sired by ROR Royal Domino and entered by L. W. Jones of Rule, Texas, topped the list of bulls in the 1954-1955 progeny tests conducted by Texas Technological College at PanTech Farms. Results of the 140-day tests in which 29 groups totaling 104 bulls were entered, were made known at a field day held at PanTech farms April 15 at which a large crowd was present.

The three bulls entered by L. W. Jones were from his herd of around 70 registered cows. They were calved late in 1953 and made an average gain of 409 pounds, averaging 2.92 pounds per day.

Max A. Blau, Follett, had four bulls sired by Royal Domino Lad 21 that were second high. They made an average gain of 407 pounds, an average daily gain of 2.91 pounds.

In third place were three bulls owned by Colby Conkwright & Son, Hereford. They were sired by Imperial Lamplighter, Jr., and averaged 405 pounds, a daily average gain of 2.89 pounds.

Close behind in fourth place were four bulls belonging to Raymond Nelson, Miami. They were sired by Plus Blanchard 79th and averaged 403 pounds, a daily gain of 2.88 pounds.

The highest gaining individual bull averaged 3.34 pounds daily and the lowest group average was a pen of three

that made an average daily gain of 2.06 pounds.

The PanTech Beef Cattle Improvement Program, which was started in the fall of 1950, has brought beef cattle producers to the realization that beef cattle improvement cannot be made on type and conformation alone. There are other factors, such as regularity of calving, heavier weaning weights, ability to gain and ability to make cheap gain that must take a more important role in any beef cattle improvement program.

As the heritability of these factors are high, improvement of beef cattle in these respects would be rapid if such factors were used in the selection of breeding cattle.

Self-feeding the same growing ration to young bulls at the same time and place will give large differences in individual gain and the progeny of different sires. When bulls selected on ability to gain were mated to random selected cows, the calves sired by high gaining bulls were heavier at weaning time, gained more while on feed and gained more when handled as stocker cattle.

The bulls in the 1954-1955 tests were fed a ration of cottonseed hulls, alfalfa, milo grain, hegari fodder, cottonseed meal and millrun bran and shorts at an average cost of \$1.64 per 100 pounds of feed. The average cost per 100 pounds of gain per bull was \$16.72.

A break-down of the tests over the five-year period reveals that the high-gaining sire groups required 851 pounds

of feed per 100 pounds of gain, while the low-gaining sire groups required 970 pounds.

Calves from the 1952-1954 calf crops sired by high-gaining bulls averaged 477 pounds at seven months of age, while those sired by low-gaining bulls averaged 439 pounds.

Stock heifers sired by high-gaining bulls (1952-1954) averaged 832 pounds at 18 months of age, while those sired by low-gaining bulls averaged 748 pounds.

Ten-month-old steers sired by high-gaining bulls in the 1955 tests required 1043 pounds of feed to gain 100 pounds in 112 days, while those sired by low-gaining bulls required 1116 pounds of feed to make similar gain.

Third Annual Pan Tech Tested Bull Sale

SUMMARY

73 Bulls \$31,930; Avg. \$437

THE Third Annual Pan Tech tested bull sale was held at the Pan-Tech Farms located east of Amarillo, Texas on Thursday, April 14.

The demand for these bulls showing their rate of gain over a 140 day feeding period was excellent with a wide demand shown by ranchers.

The top selling bull was a March 1954 son of WHR Royal Aladdin 59th, consigned by Paul Dauer, Panhandle, Texas, and sold to W. S. Winn, Stratford, Okla.,

MASON, TEXAS, JUNE 7

Some will be sold singly . . .

Some in groups

ALL TESTED . . . Ready to Ship Anywhere



Each consignor guarantees every animal that he sells, which is of breeding age on the day of the sale, to be a breeding animal.



Sale to Be Held in Mason Sales Company Arena

Located ½ Mile East of Mason on Hwy. 29



Lunch Will Be Served on the Grounds . . 11 a. m.



Sale Starts at 12:00 Noon

Write for Catalogue or Hotel Reservations

Auctioneer: Walter Britten



Hill Country Hereford Association, Mason, Texas

J. D. JORDAN, Secretary

**A
Buyers Market**

The New Look at Diamond L

The new look at Diamond L is the breeding of our cow herd as shown at right. We have added quality females carrying this breeding over the past three years . . . enabling us to produce top quality Herefords with dependable breeding.

We now have over fifty calves out of these good producing cows, and most of them are by our chief herd sire, TR Zato Heir 240th. We are very proud of the many good prospects we now have. Another son of TR Zato Heir recently was added to our bull battery, and we will have calves by him this fall.

We believe you will like what you see in the calves we have—they are for sale and priced right!

Diamond

FRED M. LEGE III, Owner
Route 2, Weatherford, Texas
Phone: Weatherford 123
J. H. McFarland, Foreman



Ranch

MIDWAY BETWEEN WEATHERFORD and CRESSON on TEXAS HY. 171

45 Minutes From Downtown Fort Worth

OUR COW HERD

Carries this
DEPENDABLE BREEDING

The Prince Domino	Advance Mischief
Advance Domino	Dandy Domino 2nd
Champion Domino 36	Real Domino 51st
Publican Domino 30	The Lamplighter
Prince Dom. Return	Onward Domino
Real Prince Domino	Pioneer
Beau Blanchard	Mischief Mixer
Prince Dom. Mixer	Anxiety 4th
Hazford Rupert 81	Banning-Lewis
Hazford Rupert 25	Hazlett

REGISTERED
HEREFORDS

M ZATO HEIR...



We now have several calves by this grandson of TR Zato Heir and they have those qualities that every breeder likes.

Attend the Jones Hereford Ranch sale and come by and see our herd and the prospects we have for sale.

BAR M RANCH

RHOME, TEXAS

O. H. McALISTER
Owner

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Herdsman

300 LB. FEED MIXER

New Low
Prices

with
MOLASSES
BLENDER

only
\$99.50

Uniformly mixes up to 300 lbs. dry feed and blends in molasses in 2 to 5 minutes. Tilts to dump load. 1/2 H.P. motor operates. Write for literature or order today on money back guarantee.

MIXALL FEED MIXER—
(Less Motor) \$ 99.50
... with MOLASSES BLENDER... 114.00
1/2 H.P. MOTOR 35.50

\$114.00



GORDON JOHNSON EQUIPMENT CO.
Dept. 106A, 2519 Madison Ave., Kansas City, Mo.



LUSKEY'S ROPER HATS \$10
WE PAY SHIPPING CHARGES

FREE!

SEND FOR FREE
CATALOG WITH
PICTURES OF
LUSKEY'S HATS
WESTERN WEAR
AND BOOTS

LUSKEY'S

113 HOUSTON ST.
FORT WORTH 2, TEXAS

for \$1,200. This bull gained 394 pounds or 2.81 pounds per day.

The second top selling bull was a November 1953 son of Imperial Lamplighter, Jr., consigned by Colby Conk-wright and Son, Hereford, Texas, and sold to Mansfield Cattle Co., Vega, Texas, for \$1,050. The gain on this bull was 418 pounds for an average of 2.99 pounds per day.

The top gaining bull was the third top selling bull and he was a February 1954 son of PT II Royal Domino and out of a granddaughter of Hazford Rupert 81st. He was consigned by Max Blau, Follett, Texas, and purchased for \$1,000 by L. A. Maddox, Jr., Panhandle, Texas. This bull gained 468 pounds for an average of 3.34 pounds per day for the 140 day feeding period.

The top gaining pen of bulls was a group of three consigned by L. W. Jones, Rule, Texas, and all were by ROR Royal Domino 28th. They gained an average of 409 pounds each.

The larger buyers were J. T. Sneed Estate, Amarillo, Texas, taking 12 head; Spade Ranch, Tucumcari, N. M., and XL Cattle Co., Amarillo, Texas, taking 10 head each.

Walter Britten was the auctioneer.

State Fair of Texas Offering \$87,528 In Premiums

PREMIUMS and awards totaling \$87,528 have been posted for the Pan-American Livestock Exposition, Junior Livestock Show and Poultry Show of the State Fair of Texas in Dallas, Oct. 7-23.

The Pan-American Exposition, Oct. 8-16, offers \$70,159, Junior Show \$15,467 and Poultry Show \$2,902.

The \$70,159 offered in the Pan-American Exposition includes: \$23,000 for beef cattle (Aberdeen-Angus \$4,500, Brahman \$6,000, Hereford \$7,500, Santa Gertrudis \$2,000, Shorthorn \$3,000); \$20,750 for dairy cattle (Ayrshire \$2,700, Guernsey \$4,000, Holstein-Friesian \$5,300, Jersey \$5,000, Milking Shorthorn \$3,750); \$8,072 for eight breeds of swine (Berkshire, Hampshire, Chester White, Duroc, O.I.C., Poland China, Spotted Poland China and Yorkshire, with \$6,212 in the breeding division and \$1,860 in the fat barrow division); \$4,643 for six breeds of sheep (Delaine-Merino, Hampshire, Rambouillet, Shropshire, Southdown and Suffolk); and \$1,184 for Angora goats. There is a \$600 special herdsman award.

Premiums of \$11,910 are offered in the horse shows, \$3,840 for Quarter Horses, \$2,000 in the open cutting horse contest, \$2,070 for Palominos and \$4,000 for Shetland ponies.

The Pan-American Exposition will include the National Brahman Show and regional shows for Holstein-Friesians and Ayrshires. Three sales will be held, sponsored by the Texas Jersey Cattle Club, the Holstein-Friesian Association of Texas and the East Texas Santa Gertrudis Breeders Association. The Santa Gertrudis sale will be a statewide sale for Texas breeders who are exhibiting in the Exposition.

Edg-Clif Farms Herefords Average \$929—Top \$23,800

SUMMARY

64 Bulls	\$ 97,865; Avg.	\$1,529
278 Females	219,760; Avg.	790
342 Head	317,625; Avg.	929

EDG-CLIF FARMS, owned by A. S. Knapp, held their dispersion on the farm near Potosi, Mo., on Monday and Tuesday, April 11-12, with the offering going to breeders over a wide area.

Top of the sale was a seven-month-old bull calf, Edg-Clif Zato Heir, by Zato Heir M 19th and out of a Don Axtell 473rd cow. He sold to Glen Ellen Farms, Steelville, Mo., for \$23,800. This firm purchased 22 lots.

Glen Ellen Farms also purchased the second top selling bull, TR Zato Heir 341st, a January, 1953, son of TR Zato Heir, for \$20,000. They also purchased WHR Resolute 55th, the nine-year-old Register of Merit Sire for \$9,500.

Moore Bros., Tallahassee, Fla., purchased Edg-Clif Resolute Heir, a son of WHR Resolute 55th for \$10,200.

The 1954 American Royal champion bull, Edg-Clif Resolute, a son of WHR Resolute 55th, sold to H. H. Wilkinson, Fort Worth, Texas, for \$8,600. Wilkinson purchased nine head in the sale.

Top selling female was a daughter of WHR Resolute 55th with a bull calf at side by Zato Heir M. 19th. They sold to Glen Ellen Farms for \$7,600.

The offering went to buyers from Texas, Arkansas, Tennessee, Florida, Illinois, Iowa, Virginia, Mississippi, Kansas, Kentucky, Nevada, Oklahoma, Wyoming and Missouri.

Fulkerson, Hamilton and Marting were the auctioneers.

Children's Horse Show Scheduled at Fort Worth

THE Fort Worth Horseshoe Club's Fifth Annual Children's Horse Show and Rodeo will be held at the Horseshoe Club arena on the old Stove Foundry Road southwest of Fort Worth on June 5.

According to E. A. Corbett, general chairman in charge of the event, the program will begin at 10:00 a. m. He says that this will probably be the most interesting show of this nature that the club has held in the past five years. In addition to a large number of very attractive trophies and ribbons to all winners, four cutting horse saddles valued at approximately \$1,000 will be awarded in the various classes. One of these saddles has been donated by the Southwestern Exposition and Fat Stock Show, indicating their unusual interest in this event. Judges for the show will be W. R. Watt, general manager of the Southwestern Exposition and Fat Stock Show; Douglas Mitchell, superintendent of the horse division of that show and Jim Shaver, assistant to Douglas.

The show is open to all children under 18 years of age and the classes scheduled

include the following: conformation and horsemanship for girls and boys under 12 and a special class for girls and boys 12 and under 18; also barrel race in both ages.

The following classes for girls and boys between 12 and 18: slow canter, calf roping, special event (calf scramble), flag race and calf riding.

There will be the following classes for girls and boys under 12: slow canter and flag race.

There will be a reining and cutting class for girls and boys under 18.

This children's horse show has proven very popular and has attracted interest from a wide area. It is designed to promote good sportsmanship among children and to develop interest in good horsemanship, also. Entries should be sent to Fort Worth Horseshoe Club, Rt. 5, Box 198, Fort Worth.

Since mature livestock may be resistant to a disease but still be spreaders of the infection, young stock should be separated from mature stock as quickly as possible.

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in the offering of
**335 HEAD ★ 216 LOTS
COMPLETE DISPERSION
MAY 20, 21**
For further details, see pages 44 and 45
JONES HEREFORD RANCH RHOME, TEXAS
25 miles north of Fort Worth on U. S. 81

Texas Fair Sponsoring Another South American Tour

THE State Fair of Texas at Dallas will sponsor a three-week flying tour of eight South American countries this spring to generate interest in the Pan-American Livestock Exposition to be held Oct. 8-16 during the Fair.

A group of fair officials, newsmen and representatives of livestock breed associations will depart from Dallas by air about May 20. The itinerary will include Guayaquil, Ecuador; Lima, Peru; Santiago, Chile; Buenos Aires, Argentina; Montevideo, Uruguay; Sao Paulo and Rio de

Janeiro, Brazil; Caracas, Venezuela, and Bogota, Colombia.

The trip is the third of its type to be sponsored by the fair and is the most extensive to date. State Fair groups visited Mexico in 1953 and toured Panama, Ecuador, Colombia, Venezuela and Cuba in 1954.

National purebred cattle, swine, sheep and Quarter Horse associations have been invited to send official representatives on the trip. In each of the South American cities on the itinerary, the State Fair of Texas will be host at luncheons and dinners for a selected group of prominent livestock leaders, businessmen and government officials. Field trips to ranches and farms in the principal live-

stock producing areas of the various countries also will be arranged for the group.

Jack P. Burrus is chairman of the State Fair's Pan-American Committee and Ray W. Wilson is manager of the Pan-American Livestock Exposition.

"The Pan-American Livestock Exposition has taken a commanding lead among all the livestock shows of the United States in developing a successful Latin American trade development program," Burrus said.

"We are helping to bring about a better understanding and relationship with livestock and government leaders in all Latin American countries, and the exposition has become widely known as a great international show window and marketplace for purebred livestock," he said.

"The constructive program planned for the South American good will mission will offer an excellent opportunity for representatives of national purebred livestock associations in the United States to become acquainted with many important livestock raisers and to obtain worthwhile information on the livestock industry of the South American countries."

Hyperkeratosis No Longer a Disease Threat


HYPERKERATOSIS, more commonly called X-disease, in cattle has been practically eliminated during the past year, according to the American Foundation for Animal Health.

No new cases were reported to the United States Department of Agriculture during 1954. The Foundation says this indicates the disease has been reduced to such an extent that it is of little importance in the animal health field.

Successful control of this costly animal health problem came through veterinary research which isolated the cause as a highly chlorinated naphthalene, a chemical frequently used in lubricating oils and greases to give them body.

Some animals became infected by licking greased machinery or by getting access to used crankcase oil. Other cases were traced to grease used to lubricate feed manufacturing equipment, that accidentally found its way into the processed feed.

Following the research, the U.S.D.A. issued a request to manufacturers of petroleum products, feed manufacturers and oil companies that they cease using chlorinated naphthalene in oil and grease designed for use on farms or in food processing plants. Wholehearted cooperation by these groups is given credit for eliminating X-disease as a livestock health threat, the Foundation said.



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in the offering of

335 HEAD ★ 216 LOTS COMPLETE DISPERSION MAY 20, 21

For further details, see pages 44 and 45

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IMPERIAL LAMPLIGHTER 43rd — Our new herd sire



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For Sale: 25 top open heifers — Some Breeding Age.



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The New Wool Program— How it Works

THE National Wool Act of 1954 provides for incentive payments on your shorn wool. Under the act, payments also will be made on the wool on lambs and yearling sheep sold for slaughter.

When you market your shorn wool, or lambs and yearlings, be sure to—

1. Sell for the highest price possible.
2. Obtain complete sales records.

Shorn Wool

Here's why the highest selling price for your shorn wool is important:

Payments are based on a percentage of the price you receive rather than on a flat cents-per-pound rate. So the higher the price you sell for, the bigger your incentive payment will be.

In other words—the incentive payment will not "make up the difference" for a poor selling job. A good job of selling actually can mean extra dollars to you. A little arithmetic will show where those dollars will come from.

The Department of Agriculture has announced an incentive price of 62 cents a pound on shorn wool for the April 1, 1955-March 31, 1956, marketing year. Let's assume that wool prices during the marketing year actually average 50 cents a pound. To bring the average of 50 cents to the incentive level of 62 cents, each producer's price would need to be increased by 24 per cent.

Now let's say that you sell 1,000 pounds of wool for 50 cents a pound. From the buyer you'll receive \$500. From the Department of Agriculture you'll get 24 per cent more, or \$120, making a total return of \$620.

But let's suppose that you sell for 70 cents a pound. The buyer will pay you \$700 for your 1,000 pounds and the Department will give you the 24-per cent payment of \$168. Your total return, then, will be \$868.

Careful marketing in this instance would increase your return by \$248.

Lambs and Yearlings

Payments are made for lambs and yearlings sold for slaughter with the wool on. These payments are designed to maintain the practice of marketing lambs and yearlings "in the wool."

To show how the payments on animals are arrived at, let's assume that the average price received by producers for shorn wool in the 1955 marketing year is 50 cents a pound. Then the computations would be as follows:

(1) The difference between the incentive price and the average price is computed—12 cents; (2) 80 per cent of this difference is derived—9.6 cents; (3) the derived figure of 9.6 cents is multiplied by 5—48 cents, which is the payment per hundredweight.

(The 80 per cent differential is because pulled wool is normally of coarser grade and shorter staple length than shorn wool. The 5-pound figure used as a multiplier is an average for the wool per hundredweight of animal.)

Here again, be sure to sell your animals for what they are worth, because the compensating payment is a flat rate per 100 pounds. For example:

Let's suppose that the compensating payment turns out to be 48 cents a hundredweight. If you sell a 100-pound lamb for \$20, your total return will be \$20.48. But if you sell the same lamb for only \$18 (on the false assumption that the payment will "make up the difference"), your return will total only \$18.48. Good marketing in this case would mean \$2 more in your pocket.

Sales Records

Sales records are the basis for payments under the new program.

Sales records for shorn wool should show name and address of buyer, date of sale, name and address of producer, net weight of wool sold, and net proceeds to producer after normal marketing deductions.

Bills of sale for lambs and yearlings must show: Name and address of slaughterer; date of sale; name and address of seller; number, description, and net live weight of animals sold; and include certification that the animals were purchased

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- ★ 150 Cows with calves at side sired by the herd bulls.
- ★ 60 Cows bred to the herd bulls.
- ★ 70 Bred and open heifers sired by the above herd bulls.

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for slaughter, and that they had or had not been shorn. The bill of sale and certification may be endorsed to a prior owner, who can then get the payment. Animals that have been shorn, but that have at least a 1½-inch growth of wool at time of sale for slaughter are eligible for payment upon certification by the applicant.

When Payments Will Be Made

Payments on shorn wool and lambs and yearling sheep will not be made until after the end of the 1955 marketing year—and the marketing year will not end until March 31, 1956. So payments will begin in the summer of 1956. Payments of less than \$3 will not be made.

Payments will be made only on wool shorn on or after January 1, 1955, and sold on or after April 1, 1955. Likewise, payments will be made on lambs and yearlings only if they have been sold on or before April 1, 1955.

To be eligible for payments, the applicant must have owned the sheep or lambs from which the wool was shorn, or the lambs and yearlings, for at least 30 days.

Mohair

The mohair program, also authorized by the National Wool Act, will be handled in the same way as that outlined for shorn wool. The support price for the 1955 marketing year is 70 cents per pound.

ASC Committees Handle the Program

Your point of contact on wool payments is your local Agricultural Stabilization and Conservation office. The ASC office will help you fill out your application for payment (from information on your sales records), will make any payments that may be due, and will be able to furnish you any detailed information you might require as to the payment program.

The livestock and meat industry faces the tremendous challenge of keeping pace with the nation's constantly mounting population. It is estimated that this country's population will increase from 164 million today to 215 million 20 years from now. To maintain our country's present rate of meat consumption of about 154 pounds per person, production will have to be increased as much as 15 per cent over the next 15 years and 30 per cent over the next 20.



Oklahoma City Selected for Cowboy Hall of Fame

OKLAHOMA CITY was chosen as the site for the Cowboy Hall of Fame at a meeting of trustees held in Denver April 16. Ten cities were originally selected for consideration by a five-man committee from a list of 46 which applied for the site. These cities were Canyon, Texas; Cheyenne, Wyo.; Colorado Springs, Colo.; Dodge City, Kans.; Las Vegas, N. M.; Miles City, Mont.; Oklahoma City, Okla.; Prescott, Ariz.; North Platte, Neb., and Rapid City, S. D. From this list, the committee, after careful investigations over a four-week period, simmered the number down to three—Colorado Springs, Dodge City and Oklahoma City.

The Cowboy Hall of Fame, patterned after the Baseball Hall of Fame, was inspired by C. A. Reynolds, Kansas City industrialist, with H. D. Lee Company, and is intended to honor men instrumental in developing the lore and glamor of the West, and to provide a museum where mementos of the early days can be displayed.

In selecting Oklahoma City for the site, trustees representing 17 Western states, after considerable deliberation and discussion, accepted a pledge from Roy Turner, chairman of the Oklahoma delegation, and Glen Faris, secretary of the Oklahoma City Chamber of Commerce, to provide a site of 37 acres or such parts as needed, to be deeded in fee simple to the foundation, and to underwrite cost of a suitable building for the hall of fame, so construction can be started when the trustees agree on building plans.

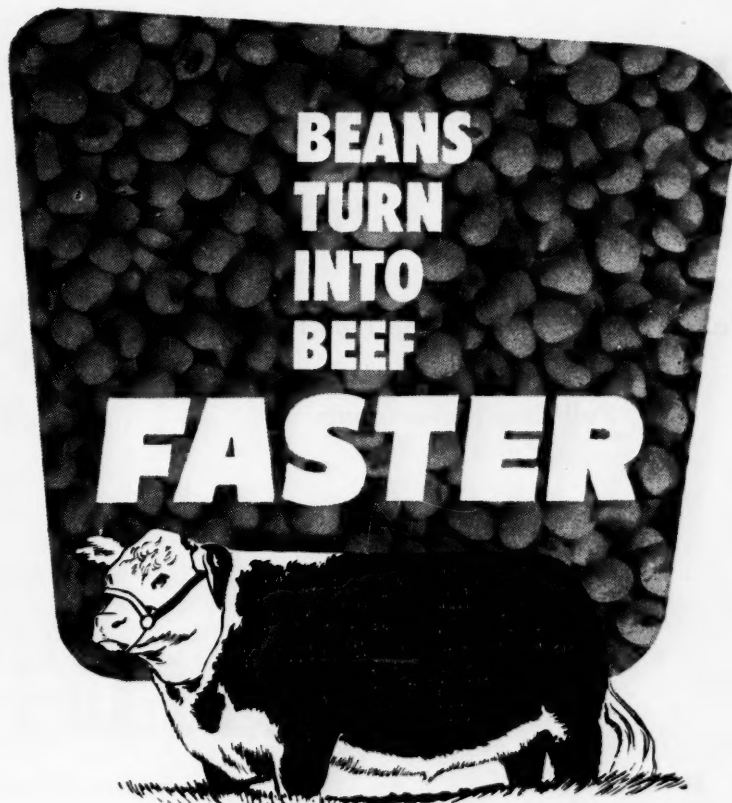
The pledge also agrees to provide temporary quarters for the hall of fame, sufficient storage space for museum items and to provide necessary office personnel to handle details until the shrine is complete and the foundation's staff takes over.

The site is on the urban expressway on a hill overlooking highway junctions of NE 63 and Eastern, approximately six miles from downtown Oklahoma City. The city owns 25 acres of the land and the Chamber of Commerce has an option to purchase the extra 12 acres, if needed.

Oklahoma City apparently was awarded the site on the basis of its blank check offer to finance the museum. Although Colorado Springs, which offered mountain scenery, and Dodge City, which boosted itself as the heart of the cattle region, both offered land, the all-inclusive Oklahoma City offer was too much to pass up.

Dodge City's final appeal was presented by Governor Fred Hall of Kansas, while Colorado Springs was represented by Judge Wilson McCarthy, president of the Denver & Rio Grande Western Railroad.

I read The Cattleman for pleasure and a source of information each month. I find it to be a very good magazine for stockmen.—L. B. Allen, Alice, Texas.

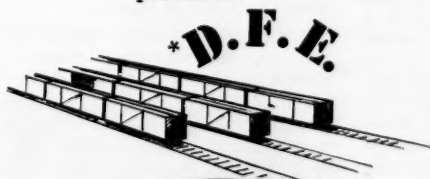


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**Walton Poage Is One of the Finest Part-Time
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By WILLARD H. PORTER



Walton Poage, Rankin, is shown mounted on the team tying horse, Frosty. A rancher, Poage ropes mostly for a hobby, but professional ropers never sell him short. He's tough.

LAST February, during the Tucson, Arizona, rodeo, two ropers rode into the chute box in the team tying event. One was John Nix, a former Texan now living at Phoenix, Arizona, and the other was a tall, husky rancher and roper from Rankin. The chute gate banged open, releasing the steer, and the team pounded from the box with Nix going to the head.

A couple of Arizona cowboys, hunkered in the arena, took note of this team—especially of the heeler.

"Say, ain't that Walton Poage?" one asked.

"It sure is," the other answered. "Haven't seen him in a long time."

"He used to be an awful tough roper, didn't he?"

The other cowboy was silent for a second or two as Poage, after Nix had caught, picked up one hind leg with a well aimed heel loop. Then he spoke, jabbing his buddy in the ribs for emphasis, "Look at that! I reckon he still is tough. And for sure he was good on calves a while back. I don't think those Texas boys he roped against realized just how tough Walt was."

Generally speaking this might have been true, for Walton Poage has never followed the professional roping circuit for a living. But the men he occasionally traveled with and roped against in rodeos, jackpots and matched contests—men like Toots Mansfield and Sunny Edwards—realized the great ability of Poage and never underestimated him when it came to roping and tying down calves and steers. And Poage made believers out of a whole slew of ropers

once at Hobbs, New Mexico, in the spring of 1950.

Here four ropers from Texas and four from New Mexico had gathered for an interstate contest to settle an argument over which state had the faster catch-loop and tie-down men. Roping for New Mexico were Troy Fort, Jack Skipworth, Earl Moore and James Kinney. The Texas foursome consisted of Toots Mansfield, Sunny Edwards, Tom Powers and Poage.

The Lone Star state suffered defeat in this particular contest, mainly due to some very tough luck on the part of Edwards, who took 63 seconds on his third calf. Poage ended up third, following Powers and Mansfield, with a total six-calf time of 89.9. Among the eight six-calf totals he was fourth, and he tied his last calf in 11.8 seconds—the fastest run of the contest.

However, what really made the boys' eyes pop out was what Poage accomplished in the after-roping jackpot.

Poage's own talent for tying down fast calves should not be belittled in this story. But he was egged on quite a bit that day by announcer Buck Jackson, who had come over from Pecos to take charge of the loud speaker. Jackson, who calls Poage "Hoot-And-Scoot," kept promising the crowd that the big man from Rankin was going to tie a calf in under ten seconds before the day was over. On Poage's every run from the box, Jackson (a very popular matched roping announcer and liked by all the boys) was "hoorawing" him about tying that calf in under ten seconds. So worked up did Jackson have the crowd, looking

forward to this fast work, that Poage almost had to do what he did to save his reputation.

He left the chute box after his jackpot calf, popped on a fast loop, twisted his slack to the side, and left the saddle on the run. He threw the calf, held it down with his long legs, and tied with great speed. He flung his arms in the air to signal the timers that he was through. It was fast time and everybody held their breath, waiting for Jackson to say something. And then Jackson started to laugh over the microphone.

"Hoot-And-Scoot did it, folks!" he shouted. "I told you he wouldn't disappoint you. Wanna know the time?"—he hesitated for effect—"It was 9.5 seconds!"

The horse Poage was riding for this feat was called Dan, a big bay gelding by a Thoroughbred Remount stallion and out of a Quarter mare. The horse came from the Sonora country. He was a beautiful animal, well developed, with an athletic-looking conformation. He stood right at 15-2 hands tall and weighed 1,250 pounds. He was the kind of a horse that every roper looked at when Poage rode him into the arena. Besides Poage, Toots Mansfield, Buddy Neal, Bill Lowe and John D. Holleyman have ridden him.

Dan was alert, fast, and had a good, straight stop. He was very smooth in his action and fitted Poage, who is 6 feet, 4 inches and weighs 230 pounds, perfectly. For his size, Poage is one of the most graceful and easy-moving athletes that ever roped. He and Dan, in this respect of size and coordination, were much alike. Most of the runs these two

made from the box together were smooth and fast.

Walton Poage was born into a ranching family on August 12, 1908, at Merton. He grew up thinking about cattle and sheep and horses and ropes. Perhaps that's why today he has his own 41-section ranch near Rankin and is one of the finest part-time ropers who ever contested against full-time professionals.

The first rodeo money he recalls winning was at Big Lake in 1933. He took home part of the calf roping cash, and won a six-calf matched roping, also his first, against Howard Westfall.

Since then, Poage has won many little shows and jackpots in his home state and a few big ones out of state. He has placed in the calf roping money at El Paso, Midland, Coleman and Pecos, which he has won four times, three times in a row. In 1949 he tied a calf in 14.3 at Joe Davidson's "roping party" at Ozona, to win the first go-round in calf roping. That year, with Toots Mansfield as a partner, he won money in the team tying at Ozona.

He has won calf roping at Pocatello, Idaho; Denver, Colorado, and Cheyenne, Wyoming. In 1946 at Cheyenne, he was third in the average beneath Royce Sewalt, Tony Salinas and Mansfield. The year before at Cheyenne, he was first in the average over Amye Gamblin, Hugh Bennett and Buck Standifer.

In 1950 at New York's Madison Square Garden, five Texas ropers swept clean the first five money spots in the calf roping average. Poage, riding Mansfield's grey gelding, Smokey, led the quintet with 262.3 seconds on 11 head. He was followed, in this order, by Dan Taylor, Ray Wharton, Bill Lowe and Don McLaughlin.

"I guess that was the toughest roping I ever won," recalls Poage. "New York's always tough to win. There're a lot of good boys back there, and you get so many calves it's like a matched roping."

But then matched ropings are nothing new to Poage. He has roped in a lot of them against Mansfield, Edwards, Holleyman, Troy Fort and Jim Bob Altizer. He won over Altizer several years ago when Jim Bob was just a kid. Later on Jim Bob beat him. He has roped Toots four or five times, winning once at Borger.

In 1950 Poage topped Edwards on six calves at Midland. This match was put on after a Mansfield-Fort roping in a very muddy arena because of rain the night before. Despite all the slipping and sliding encountered by both cowboys and horses, it was a fairly even match, Poage finally emerging the winner by an 8.3-second margin. Riding Dan, he totaled 101.7 seconds on six calves. Edwards, riding Tinker T., scored 110 seconds flat.

Ever mindful of the importance of a top horse in the roping events, Poage has always been well mounted. The first horse he ever had was an old bay called Goobers, from which he'd rope calves and goats. He once had a good sorrel which he sold to two California ropers,

(Continued on Page 83)

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OIC Swine Breeders' Association Inc., Goshen, Indiana, Mrs. Clara Clason, Secretary.

Poland China Record Association, 501 E. Losey St., Galesburg, Illinois, C. W. Mitchell, Secretary.

Kentucky Red Berkshire Swine Record Association, 303 Stanford St., Lancaster, Kentucky, Hogan Teater, Secretary.

National Spotted Poland China Record Association, 28 E. 32nd St., Indianapolis 5, Indiana, Fred L. Obenchain, Secretary.

Tamworth Swine Association, Hagerstown, Indiana, R. H. Waltz, Secretary.

American Yorkshire Club, Lafayette, Indiana, Martin E. Gannon, Secretary.

SHEEP

American Cheviot Sheep Society, Lafayette Hill, Pennsylvania, S. R. Gates, Secretary.

Columbia Sheep Breeders Association of America, P. O. Box 315, Logan, Utah, Mr. Alma Esplin, Secretary.

American Corriedale Association, 108 Parkhill Ave., Columbia, Missouri, Rollo E. Singleton, Secretary.

American Cotswold Record Association, Sigel, Illinois, C. P. Harding, Secretary.

American Delaine-Merino Record Association, 400 Water St., Wheeling, West Virginia, Chas. M. Swart, Secretary.

Black-Top Delaine-Merino Sheep Breeders' Association, Rt. 4, Howell, Michigan, Emerson Richards, Secretary.

Black-Top and National Delaine-Merino Sheep Association, Houston, Pennsylvania, I. Y. Hamilton, Secretary.

Texas Delaine-Merino Record Association, Burnet, Texas, Mrs. G. A. Glimp, Secretary.

Continental Dorset Club, Inc., Hickory, Pennsylvania, J. R. Henderson, Secretary.

American Hampshire Sheep Association, 72 Woodland Ave., Detroit 2, Michigan, Helen Belote, Secretary.

Karakul Fur Sheep Registry, Friendship, Wisconsin, Mrs. Alta H. Robertson, Secretary.

United Karakul Registry, P. O. Box 649, Twin Falls, Idaho, Olive May Cook, Secretary.

National Lincoln Sheep Breeders' Association, West Milton, Ohio, Ralph O. Shaffer, Secretary.

Montadale Sheep Breeders' Association, Inc., 61 Angelica St., St. Louis 7, Missouri, E. H. Mattingly, Secretary.

American Oxford Down Record Association, Eaton Rapids, Michigan, C. E. Puffenberger, Secretary.

American Rambouillet Sheep Breeders Association, 2709 Sherwood Way, San Angelo, Texas, Mrs. Russell G. Harlow, Secretary.

American Romney Breeders Association, Withycombe Hall, Corvallis, Oregon, Prof. H. A. Lindgren, Secretary.

American Shropshire Registry Association, Box 678, Lafayette, Indiana, Chas. F. Osborn, Secretary.

American Southdown Breeders' Association, 212 S. Allen St., State College, Pennsylvania, W. L. Henning, Secretary.

American Suffolk Sheep Society, P. O. Box 226, Moscow, Idaho, C. W. Hickman, Secretary.

National Suffolk Sheep Association, P. O. Box 324, Columbia, Missouri, Ruth Day, Secretary.

National Tunis Sheep Registry, Rt. 5, Fulton, New York, Ralph E. Owen, Secretary.

American Panama Registry Association, Rupert, Idaho, Wilbur Priest, Secretary.

Romeldale Sheep Breeders' Association, Elk Grove, Calif., A. T. Spencer, Secretary.

GOATS

American Angora Goat Breeders' Association, Rocksprings, Texas, Mrs. Thomas L. Taylor, Secretary.

American Milk Goat Record Association, P. O. Box 30, Elyria, Ohio, R. W. Soens, Secretary.

American Goat Society, Mena, Arkansas, R. D. Weis, Secretary.

HORSES

American Albino Horse Club, White Horse Ranch, Naper, Nebraska, Miss Ruth E. White, Executive Secretary.

Appaloosa Horse Club, Rt. 3, Moscow, Idaho, George B. Hatley, Secretary.

Arabian Horse Club Registry of America, 111 W. Monroe St., Chicago 3, Illinois, Frank Watt, Secretary.

Belgian Draft Horse Corporation of America, Box 335, Wabash, Indiana, Blanche A. Schmalzried, Secretary.

Clydesdale Breeders' Association of the United States, 901 Goff Bldg., Clarksburg, West Virginia, Nathan Goff, Secretary.

American Cream Draft Horse Association, Hubbard, Iowa, Mrs. Raynold Topp, Secretary.

American Hackney Horse Society, 42 Broadway, New York, New York, Mrs. J. Macy Willets, Secretary.

Standard Jack & Jennet Registry of America, R. F. D. 2, Lexington, Kentucky, G. W. Davis, Secretary.

Morgan Horse Club, 90 Broad St., New York 4, New York, Frank B. Hills, Secretary.

Morocco Spotted Horse Co-operative Association of America, Greenfield, Iowa, LeRoy Fritz, Secretary.

Palomino Horse Association, Reseda, Calif., Mrs. Edna Fagan, Secretary.

Palomino Horse Breeders of America, Box 82, Mineral Wells, Texas, Dr. H. Arthur Zappe, Secretary.

Percheron Horse Association of America, R. R. 1, Box 101, Fair Oaks, Indiana, Mrs. Anne Brown, Secretary.

American Quarter Horse Association, P. O. Box 2290, Amarillo, Texas, Raymond D. Hollingsworth, Secretary.

American Saddle Horse Breeders Association, 929 S. 4th St., Louisville 3, Kentucky, C. J. Cronan, Jr., Secretary.

American Shetland Pony Club, 116 E. Jefferson Blvd., South Bend 1, Indiana, Mary Catherine Lean, Secretary.

American Shire Horse Association, 504½ Grand Ave., Des Moines, Iowa, E. F. Fox, Secretary.

The United States Trotting Association, 1349 E. Broad St., Columbus 5, Ohio, Ken McCarr, Registrar.

Tennessee Walking Horse Breeders' Association, P. O. Box 87, Lewisburg, Tennessee, Miss Syd Houston, Secretary.

The Jockey Club, 250 Park Ave., New York 17, New York, Marshall Cassidy, Executive Secretary.

Welsh Pony Society of America, White Post, Virginia, Mrs. H. L. Shelton, Secretary.

Hoot-And-Scoot

(Continued from Page 81)

Vern Castro and Leonard Block. Then there was Dan. Another fine horse, a grey gelding named Gray Eagle, was sold a few years back to Toots.

He now has several other calf and steer horses, one called Bomber and one called Dave. The latter horse is owned jointly by Poage and John D. Holleyman.

A five-year drouth in the Midland area has kept Poage at home most of that time, looking after his cattle and sheep. Last summer's rains relieved the situation to some extent, and this year Poage figures he'll be able to go to more rodeos.

If he does, old Hoot-And-Scoot will be after 'em just as he's always been. And, who knows? If he meets up with Buck Jackson in his travels, he might well tie another calf in under ten seconds.

Know Your Plants



Jimson Weed, variously known as Jamestown Weed, Devil's Trumpet, or Apple of Peru, was known to the Indians as "White Man's Plant," because supposedly it was introduced into this country by Jamestown settlers. The poisonous narcotic seeds are used medicinally, but are very poisonous to man or beast if eaten in their natural state.

Jimson Weed

By JEWELL CASEY

Jimson Weed (*Datura Stramonium*) is a bushy, ill-scented plant growing 2 to 4 feet high, with large grayish-green leaves, floral buds resembling okra pods, trumpet-shaped, sweetly fragrant, creamy-white flowers, and prickly-covered pods, is another plant to avoid. Stems and seeds contain a powerful narcotic poison, and people have been poisoned by merely sucking the flowers. Because of the disagreeable taste and odor of the leaves, they are seldom eaten by livestock, however, they have been poisoned by eating hay containing dried leaves of the Jimson weed.



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Kansas Livestock Association Holds Annual Convention

GEORGE F. ANDREWS, Kanapolis, Kans., was elected president of the Kansas Livestock Association at its annual convention held in Wichita, March 10-12. He succeeded J. W. Birney, Bucklin. Fred Winzeler, Lamont, was elected vice-president and A. G. Pickett, Topeka, was renamed secretary-treasurer.

New directors elected were: John Berns, Peabody; and B. F. Price, Reading, replacing Merton E. King, Potwin and L. A. Johnson, Lindsborg, whose terms expired.

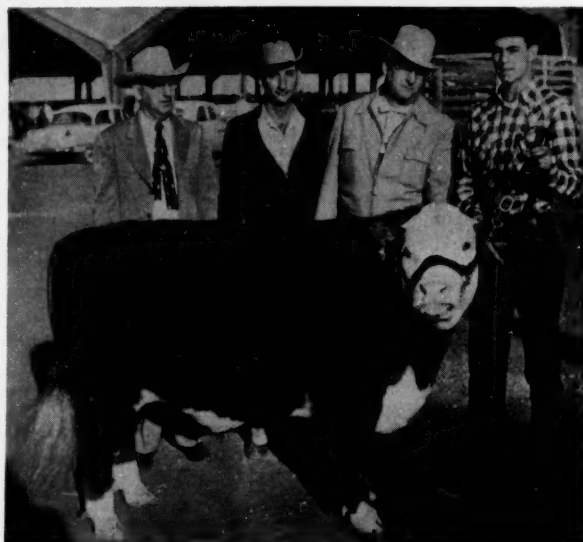
A feeling of optimism pervaded the assembly despite the fact that many stockmen reported that dry weather had caused them to cut down on their cattle herds. Some members reported pasture leasing in the Flint Hill area although some contracts called for increased acreage in cases of continued drouth and made special provision for supplying water.

Among the speakers on the program was Jay Taylor, president of the American National Cattlemen's Association, who commended Kansas ranchers and their wives for doing a good job promoting beef, but warned Kansas cattlemen "that there will be more cattle to market this year and that we all know what can happen if the drouth continues."

Dr. C. D. Van Houweling, a research department director of the U. S. Depart-

Grand Champion Steer at Abilene Fat Stock Show

Billy Bridgford, 4-H Club Boy of Colorado City, is shown here with his champion steer at the Abilene Fat Stock Show. The steer was bred by the Arledge Ranch, Seymour, Texas. Billy is the son of Mr. and Mrs. R. D. Bridgford, Colorado City. Left to right are: Henry Arledge, Seymour; County Agent Jack Burkhalter, Colorado City; Roy Arledge, Stamford, and Billy Bridgford.



ment of Agriculture, said approximately 100 million cattle will be needed for the anticipated increased consumption by the early 1960's and that the best means of supplying this increase is through improving the efficiency of livestock production. He said better progress in combating diseases must be found in con-

tinued research to assure both the rancher of higher livestock incomes and the public of better meats.

Other speakers on the program included Joe O'Bryan, Hiattville, Kans.; William Ljungdahl, Menlo, Kans.; and G. B. Thorne, Chicago, vice-president of Wilson & Co.

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Dr. Rufus Cox, Kansas State College, Manhattan, presided over a panel discussion of 1955 feeds and feeding problems during which members reported extra gains when stilbestrol was added to the ration of cattle on full-feed but admitted more information and research should be available before definite recommendations could be made.

The association adopted a number of resolutions among which were the following:

Favored brand inspection and instructed the Brand Committee to make a study of a permanent method of financing the work.

Recommended that the legislature abolish the ton-mileage tax and replace it with a taxing system similar to that used by states surrounding Kansas so that complete reciprocal agreements with these states will become possible.

Opposed granting convicted cattle thieves paroles without serving at least part of their sentence.

Favored continued support of the Kansas National Junior Livestock Show.

Urged congress to amend the Social Security Act to provide that it shall apply to the self-employed rancher and farmer only on a voluntary basis.

Expressed appreciation to the various organizations for their cooperation in beef promotion and urged continued promotion, especially at times of expected heavy seasonal marketings.

A special resolution which deplored the continuous trend in the United States toward regimentation, control and statism, reaffirmed the Association's faith in the American principle of the right to work.

Mrs. Dorothea Griffin President West Texas Hereford Assn.

MRS. DOROTHEA GRIFFIN, Lawn, Texas, was elected president of the West Texas Hereford Association at the annual meeting held in Abilene. She succeeded Lee C. Atkinson, Throckmorton. J. B. Pumphrey, Old Glory, was named vice-president and B. R. Blankenship, Abilene, secretary-treasurer. Blankenship had served as acting secretary-treasurer since last June when illness forced Mrs. Rupert Harkrider, Sr. to relinquish the position. Mrs. Harkrider had served the association as secretary since it was organized 16 years ago. She has been made an honorary life member.

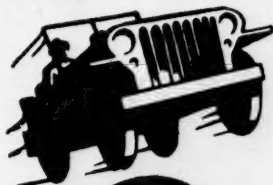
The association set November 28 as the date for the 1955 sale to be held in the new Taylor County Exposition Center which will be completed in time for the event.

Please keep The Cattleman coming. I like it better than any other magazine I get and would not want to miss a single copy.—J. K. Ayers, Moulton, Ala.

All progressive cattlemen read

The Cattleman

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For further
details, see
pages 44-45

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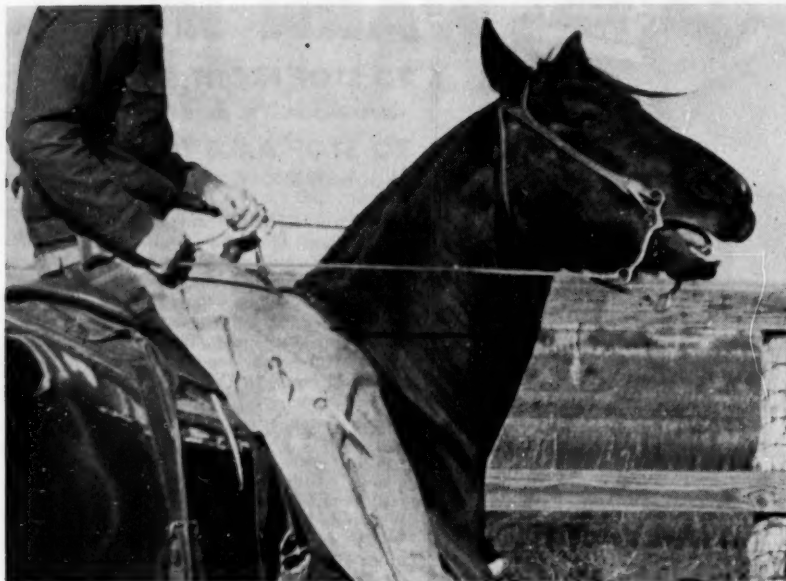
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Horse Handling Science

Limitations of the Curb Bit

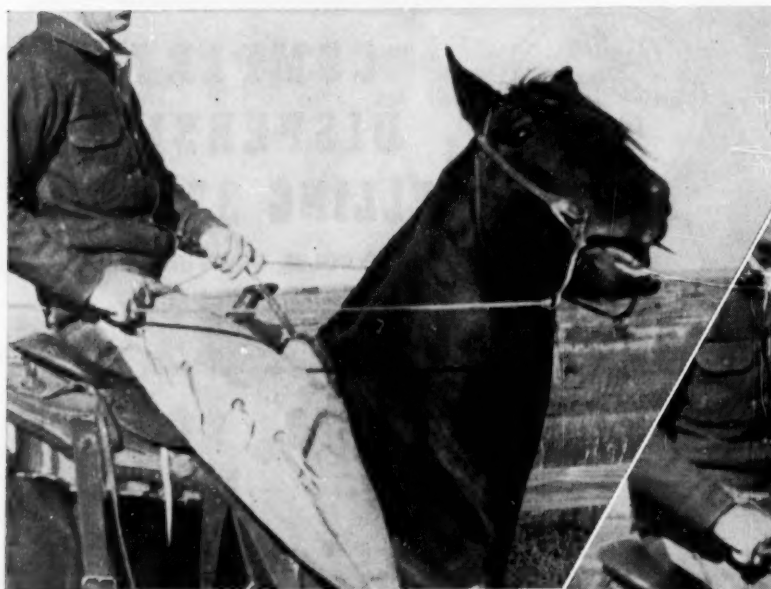
By MONTE FOREMAN



Any bit with shanks is a curb bit. It works on a leverage basis, giving the rider more force. Although this extra "force" will cause a horse to stop, these pictures will make you wonder if it is a bit with which to make a horse turn.

EVERY old kid who has worked on a cow outfit has leaned forward and kicked back, bustin' the breeze, trying to head a bunch of running stock; then when he gets to the point to turn 'em, neck reins his old "snide." "Old Snide" don't pay any attention to the neck rein and keeps pickin' 'em up and layin' 'em down like a runaway boxcar. "Old Kid" gets het up along about this time, so he goes down one rein on his curb bit trying to get "Old Snide" a-headin' the right way. Pulling on one rein seems like the simple and logical way, but it don't work out!

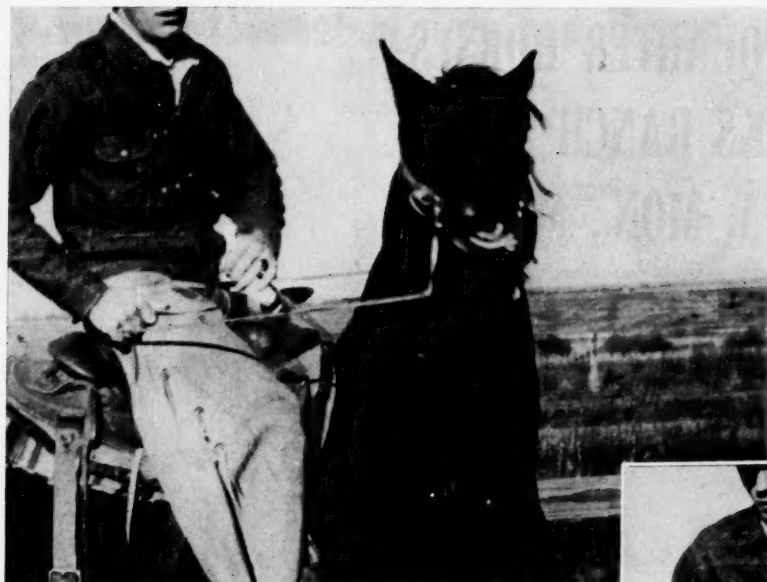
When "Old Kid" pulls on that one rein, instead of coming around, "Old Snide" lights into a fit of fighting his head, slinging it all over the country, especially up in the air where he can't see the boulders, holes and brush he's doin' ninety over. If they don't have a wreck by the time "Old Kid" gets him sorta slowed down and turned usually the cattle have turned in back of them and are headin' for the tullies . . . and the race is on again!



Below: He "cants" his head sideways trying to escape the pain. The more power the man puts on the rein the more it works against the horse's head being naturally pulled around and causes the horse to fight his head even worse at higher speeds, especially when he is excited.



Above: Note that the "leverage" has a different effect when pulled on by one rein. 1. The bar is pulled crooked in the horse's mouth, making it open. 2. When the lower shank is pulled sideways the upper part of the shank presses into the side of the horse's jaw, making him flinch away from the pain. The harder the pull the more pain it causes the horse's jaw!



Left: These pictures give us proof that if a horse does not turn willingly with a curb bit while being neck-reined we are at a loss to apply a natural pressure which will force him to turn without working against his jaw in such a manner which causes the head fighting! It is for this reason that every horseman the world over has discarded the curb as a riding and handling bit!

I've seen these commotions many times, and have been in them more times than I can remember, and after thirty or so years I got to wondering what makes a horse fight his head when a curb bit is one-handed. Here's a photo-analysis of his head-fighting reasons, and believe you me, he's got a real reason:

(Photographs were taken on the Charles E. King Ranch, Kamay, Texas, 20 miles west of Wichita Falls, where we are working horses for "documentary motion pictures." Rip Collier, who demonstrates the effects of the curb bit, runs the ranch, breaks, handles, trains and shows the horses.)

Right: Also it is of as much importance to be able to handle and set a horse's head up, down or sideways for more natural handling. I have never seen it done with a curb, nor have I ever seen a horse that could do basic handling on a curb alone!



Left: You can see from the study of photo-analysis pictures that when a curb is pulled on, even straight back, the horse's head is liable to go anywhere. There is only one exception: When a rider knows how to best use a curb with a knowledge of "hands" he can make a horse bend his head downward and bow his neck. However, there are certain reasons why a horse should not be made to work this way except at times when it is the most natural and best balanced position for him. This is a highly "collected" horse's position needed only a small portion of a cowhorse's working time.

SELLING 60 HEAD OF QUARTER HORSES at the H. H. DARKS RANCH at WETUMKA, OKLAHOMA, MON., MAY 23



V'S BEGGAR JO P-33,679 winning ninth race at a distance of 350 yards at Bay Meadows, California, May 19, 1953

We honestly believe this is the finest bred bunch of Quarter Horses ever to be sold at our ranch. Thirty-six head of these horses are owned by R. W. Viersen, of Okmulgee, Oklahoma. This is a complete dispersal for R. W. Viersen. Among the 60 head to be sold are such noted stallions as OKLA. STAR JR. P-598; BILLY VAN P-4094; and BERT BAKER P-30,961. BERT BAKER was sired by BERT P-227. Among the many mares selling we mention a few such as V'S BEGGAR JO P-33,679, a Quarter Type AA running mare sired by LITTLE JODIE P-3221; LEOTA W. P-9696, one of the greatest running mares ever sired by LEO P-1335; FLICKA No. 1389, the dam of BLACK EASTER BUNNY; QUARTER LADY P-511, she is the grand dam of PALLEO PETE and also the grand dam of WAR STAR, both nationally famous running horses. Among the 60 head of fine horses selling in this sale is KID VIERSEN, a two-year-old black gelding, that is a full brother to BLACK EASTER BUNNY, which many of you know was the third high money winner on the quarter tracks for the year 1954. Included in this sale are 14 head of as good geldings as ever went through a sale ring.

Remember the Date . . . Monday, May 23, 1955, at 1:00 P. M.

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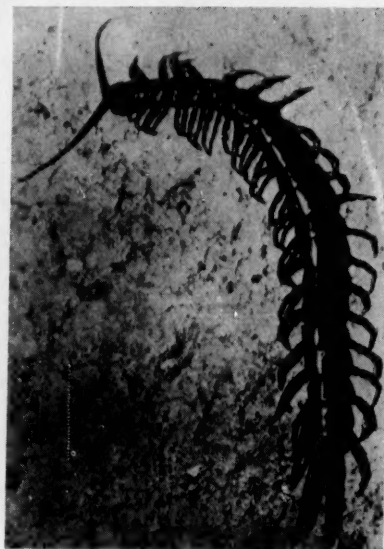


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Know Your Insects



Although the idea is utterly baseless, many people believe that the feet of the centipede contain so much poison that when one of the creatures runs over a person's bare skin the flesh will soon rot away! Photo—Brooke Medical Center.

Centipedes

By JEWELL CASEY

Another of a series of articles dealing with insects.

DUE to their appearance, centipedes, armed with nippers, fanged forefeet and forked tails, are feared by practically everyone, and as a result numerous legends and tall tales about them have come down through the ages. To the average person, the bite of a centipede causes about the same pain as the sting of a wasp or bee. Deaths of humans from bites of this insect have been either children, elderly people, persons with weak hearts, or those allergic to insect poisons. And while some people may suffer from bites, others may not, but if possible it is best to consult a doctor. For emergency, a local application of a dilute of ammonia solution has been recommended. Centipedes feed mainly on roaches, houseflies, chinch bugs, pill bugs and other insect pests.

Dog Day Harvest Fly

The Dog Day Harvest Fly, or Lyreman, makes a noise that has been described as similar to a buzz saw. Many people are afraid of this insect, but it too, is harmless. In early spring the nymph climbs onto a twig, skin casing splits down the back and out comes the wet, weak adult, but within an hour the body hardens, then the wings spread as powerful muscles move them.

I have been a subscriber to The Cattleman for a long time and like it better than any magazine I take.—F. L. McGehee, Indianola, Okla.

Kansas Bluestem Pasture Report

April 1, 1955

Eighty-Nine Per Cent of Available Acreage Reported Under Lease—Demand Greater Than Supply

LEASING of Bluestem pastures has been very active this spring with 89 per cent of the available acreage under lease by April 1, according to the U. S. Agricultural Marketing Service and the Kansas State Board of Agriculture. This compares with only 60 per cent under lease a year ago at this time, 84 per cent two years ago and 97 per cent leased on April 1, 1952. The ten-year (1944-53) average was 85 per cent leased on April 1. Demand for grass in most areas of the Flint Hills has been much greater than the available supply. The critical shortage of stock pond water has been the primary reason some pasture owners have not leased pastures. Some leases have been made without guarantee of water. Other leases were made with an agreement that the payment will be prorated to the period for which water supplies are available. Generally, stockwater supplies are best in the northern and eastern counties of the Flint Hills area. Some reporters have commented they are planning on light pasturing to permit pastures to recover from the prolonged drouth and heavy grazing last year. As of April 1, few cattle have arrived in the area and heavy movement is not expected to get under way until mid-April. The number of cattle moving into the area is expected to be above last year's number and should heavy spring rains fill the low or depleted stock ponds, additional numbers will arrive later. Generally for the whole Flint Hills area, about the same number of cattle were wintered this year as during the previous year. January 1 inventories indicate larger numbers of cattle on farms in the Northern Bluestem area, but generally, inventories were smaller in the south.

Prospects for grass are fair to good over most of the Bluestem area. Late March snows and the early April rain have generally provided good to adequate topsoil moisture throughout most of the area. Subsoil moisture continues to be extremely short. Unless above average rainfall occurs during the season, it will be difficult to sustain a good growth of grass. The recent rain and snow have generally allowed some runoff in northern areas but did little to relieve the short stockwater situation in southern counties. The condition of pasture feed on April 1, was reported at 80 per cent, up 10 points from April 1, a year earlier. The condition on April 1, 1953 was 77 per cent and the 10-year average is 92 per cent.

Lease prices averaged well above those of a year earlier with per head lease prices about \$1.50 higher and per acre lease prices up 30 cents. Most of the leases for aged steers were from \$18.00 to \$25.00 with the average \$21.20. This compares with \$20.00 a year ago, \$19.90

two years ago and \$26.90 in 1952. The bulk of the leases for cows were from \$22.50 to \$30.00 and averaged \$25.60 which compares with \$22.80 last year, \$22.70 in 1953 and \$28.70 in 1952. Leases for young cattle ranged mostly from \$15.00 to \$20.00 and averaged \$16.60 compared with \$15.60 last season, \$15.50 in 1953 and \$19.70 in 1952. Acreage guarantees are about the same as last season and range mostly from 4 to 7 acres for aged steers and cows and 3 to 4 acres for young cattle. Pastures leased on a per acre basis averaged \$4.00 this year compared with \$3.70 a year ago, \$3.90 two years ago and \$4.80 in 1952.

Osage Pastures of Oklahoma

There has been an active demand for Osage pastures, with most of the available pastures under lease. The pastures will be well filled with local and shipped-in cattle. The number of cattle and calves wintered over was about as large as a year ago.

Grass prospects are fair to good. Eastern Osage county and the counties to the East have good topsoil moisture with ponds well filled. Some ponds are not fully filled in western Osage county.

Pasture lease prices are a little higher than a year ago. Cattle have wintered in fairly strong condition, with supplemental feeding.

Adams Dean of Texas A&M School of Agriculture

DR. JAMES E. ADAMS was named dean of the school of agriculture at Texas A&M College recently succeeding Dean Charles N. Shepardson, who resigned to become a member of the board of the Federal Reserve System.

Adams has been head of the college's co-ordinated department of agronomy since 1948. Shepardson had been dean of the school for the past 11 years. Adams came to Texas originally in 1935 to head investigations of cotton root rot for the United States Department of Agriculture. He is a native Missourian.

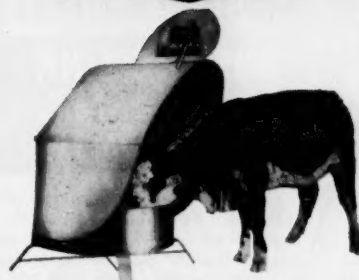
Having read several issues of The Cattleman, I find them very interesting and informative and would like to subscribe for one year.—Garska Bros., Burwell, Nebr.

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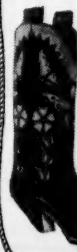
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Your Veterinarian Says . . .

Those Sudden Deaths of Cattle

WE recently visited a farm where a cow had died unexpectedly in the pasture. She had been all right the night before and the owner was sure she had been poisoned by something. However, an investigation showed that trouble was due to a wire which had pierced the stomach much earlier. An abscess had developed around the wire, and the sudden death of the cow was due to its rupture which released a gallon or so of pus into the lungs. We mention this case as a reminder that owners often find cattle that have died suddenly.

We remember an incident concerning a dairy cow that was found dead in a pasture during the summer. Although she was at least 40 yards away from the nearest fence and the only tree was located at the other end of the pasture, it was finally decided that she had been struck by lightning.

Another case involved three dairy cows that died quietly in their stanchions during a winter night. The animals stood side by side and the cause of their death appeared to be quite a mystery at first. However, a check by an electrician showed a short circuit in the milking machine wiring, while a leaky drinking cup had soaked the floor around them so the animals were electrocuted.

On another occasion a six-months-old calf was found dead in its pen one morning. A post-mortem examination showed the abdominal cavity to be full of blood from a ruptured liver. The owner believed the injury had occurred when the hired man kicked the calf in the right flank the night before. Jamming in doorways, kicks by horses, and other accidents can result in similar sudden deaths.

Various kinds of contagious diseases can be responsible for the sudden death of cattle, too. One case involved two steers that were found dead in a feed lot as the first hint that anthrax was breaking loose on the farm. Another concerned a yearling heifer that died before we reached her and was being butchered out by the owner when we arrived. He reasoned that she would be all right to eat because of her sudden death, but changed his mind when we told him that the animal had blackleg. On another occasion a valuable purebred cow was bought at a sale and then trucked without a stop for several hundred miles in sub-zero weather. She was found dead the third morning after reaching her new home, and represented the beginning of a costly shipping fever outbreak in that particular herd.

Although they aren't involved nearly so often as suspected, poisons also have to be considered as a possible cause of sudden death. They can be divided into two classes, being either plants or chemicals. The sorghums and similar plants containing prussic acid are the most feared ones, but spoiled sweet clover hay is a fairly common cause of trouble, too. A typical case concerns a cow that calved normally one night and was found dead the next morning because of bleeding

that didn't stop after the navel cord of the calf was broken. Similar fatal bleeding may follow ordinarily insignificant cuts and bruises when spoiled sweet clover is involved.

The chemical poisons include rat poisons, spray materials, and paint containing lead. Unfortunately, plain carelessness is often to blame when they kill cattle. An illustration of such carelessness is furnished by the case of the farmer who cleaned out his granary at threshing time and swept up a broken bag of fertilizer with spilled grain. The sweepings were then put out in a feed trough and killed the two "boss" cows that drove off the others so they got all of the poisoned feed.

There are various other possible causes of sudden death that we haven't mentioned, but we hope that you won't be too sure of the exact cause when cattle die suddenly. A thorough investigation and a post-mortem examination may show that it was something altogether different from what you thought it was.

Fort Worth Man Angels Rio Grande Valley Show

By PAUL T. VICKERS

ED. A. LANDRETH, Fort Worth and McAllen cattleman and oil man, who was the "angel" of this year's big expansion of physical facilities at the Rio Grande Valley Livestock Show grounds at Mercedes, is getting his wings ready again, as the show management is seeking a \$35,000 addition to the new \$65,000 exhibit hall and auction ring.

Landreth, whose main holdings are in the Fort Worth area, runs a registered Santa Gertrudis herd northwest of McAllen and spends his winters in the Texas Tropics, but returns to West Texas in the summer. This winter he spent a large share of his time raising money to build a new exposition building for the Valley livestock show, and was himself a principal donor. He declined to let the building be named in his honor.

He will be a guest at many of the barbecues to be held this spring and summer by the various beef syndicates of the Valley. The Valley has 14 of these syndicates, or clubs, organized by business men to pay premium prices on 4H and FFA club members' livestock sold at auction during the show at Mercedes. The clubs give from two to five barbecues a year to their members.

At any rate, the South Texans call their beef, which swims in concoctions of ketchup, Worcestershire sauce, butter, pepper, salt, lemon juice and other condiments, "barbecue," though it doesn't taste anything like an honest-to-goodness West Texas barbecue cooked with a batter of flour, salt, pepper and vinegar. But Valley people like the meat, even though nobody but an expert taster would know whether he was eating pork, beef, or sardines, as the "soup" poured over the meat, destroys the honest beef taste.

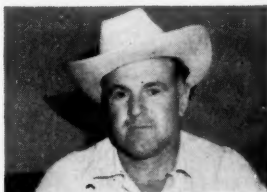
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is the easiest money raising event in the Valley. The Mission-McAllen syndicate, for example, sold \$3,750 worth of memberships in a week. The keen interest of Valley business men in promoting the livestock industry; their desire to help farm boys and girls and the good times they have at the barbecues combine to make membership enrollment easy. The syndicate idea was generated by the McAllen Chamber of Commerce livestock committee about a decade ago.

Interest in livestock growing in the Valley is so great, that bankers, store operators and civic leaders of Mercedes devote practically their whole time to the regional show for a month, and they get the hearty support of scores of VIP's of the Valley from Brownsville to Rio Grande City.

Strong pressure is being brought to require all exhibitors competing for prizes to buy their calves in the Valley from Valley breeders. Most of the calves heretofore have been bought from outside the Valley, and club members have sometimes lost money on their fattening programs, due to high prices paid for fancy stock. Leaders in the new move say it will encourage Valley breeders as well as feeders and will better promote the predominant type of Valley cattle, most of which are Brahman or have Brahman blood.

Additions Made to Hereford Register of Merit

TWO Hereford bulls and one female have been added to the revised listing of the American Hereford Association's 1955 Register of Merit.

Following a recheck of show points won by the get and produce of the three animals, the following were awarded official places on the coveted Register:

MW Larry Domino 107, bred by Milky Way Farms of Pulaski, Tenn., and whose get was shown principally by Milky Way Hereford Ranch of Phoenix, Ariz., and Bridwell Hereford Ranch of Wichita Falls, Texas, a total of 135 points.

WHR Resolute 55, bred by Wyoming Hereford Ranch of Cheyenne, Wyo., and whose get was exhibited principally by Edg-Clif Farms of Potosi, Mo., a total of 105 points.

Marlene Domino 3, bred and produce shown by Portage Farms, Woodville, Ohio, 26 points. Another Portage bull, Portage Plus Mixer, should have been listed at 380 points instead of 375 points.

I wish the free Recipe Booklet. We have taken The Cattleman for years and the family enjoys it as much as I do as my wife reads it all. We have retired but still take our dear old Cattleman. Some neighbors borrow it but have to return it as I have saved them all as they are nice to refer to in an argument, as it settles the question. Hurrah for The Cattleman! We spent three weeks in Texas, just got home. Wish it came twice a month instead of once.—C. F. Clark, Burwell, Nebraska.

Goodson New President of A. Q. H. A.

LESTER GOODSON of Houston, Texas, was elected president of the American Quarter Horse Association during the organization's annual membership meeting held at Long Beach, Calif., April 7-9. Goodson succeeds Orville Burtis of Manhattan, Kan.

Other officers elected to serve for the coming year are J. E. Browning, Willcox, Ariz., first vice-president; S. M. Moore, Dewey, Okla., second vice-president, and executive committee members Orville Burtis, Ken Fratis, Lemoore, Calif., and Jess Hankins of Rocksprings, Texas.

Houston was selected as the 1956 convention site and the meeting will be held during the Houston Fat Stock Show. Association directors voted to give trophies in gelding classes in AQHA-approved shows and adopted a procedure to follow for the investigation of any reported fraudulent practices.

Directors elected for 1955 are as follows:

Arizona: J. Ernest Browning and Melville Haskell, Tucson; and Chuck Lakin, Phoenix.

California: Dick Danielson, Los Angeles; Ken Fratis, Lemoore; Paul Grafe, Los Angeles; Frank Vessels, Long Beach; George Wiswall, Merced; Bill Borg, Los Angeles; and Gordon Schultz, Rolling Hills.

Colorado: Jack Casement, Padroni; Don Flint, Colorado Springs; Bill Rhoades, Kit Carson; and Ed Honnen, Denver.

Kansas: Orville Burtis, Manhattan; and Hade Gupton, Greenburg.

Michigan: Franklin Branch, Onsted. Oklahoma: Jeanne Moore, Broken Arrow; S. M. Moore, Dewey; Bud Warren, Perry; Frank Autry, Wetumka; and Bill Wartchow, Union City.

Oregon: Emil Muller, Helix.

South Dakota: Steve Barger, Sioux Falls.

Tennessee: R. B. Carothers, Paris.

Texas: R. A. Brown, Throckmorton; Lester Goodson, Jess Hankins, J. M. Hufington, Houston; Robert E. Hooper, Plainview; Richard Kleberg, Jr., Kingsville; Helen Michaelis, Eagle Pass; Roy Parks, Midland; Walt Wardlaw, Del Rio; Allen Krohn, Electra; Gus Scroggins, Webster; J. B. Ferguson, Wharton, Loyd Jinkens, Fort Worth; and Charles King, Wichita Falls.

Washington: Hugh Huntley, Colfax.

Wyoming: Kelly Howie, Buffalo; and Hyde Merritt, Federal.

Utah: George W. Lowe, Kaysville.

Florida: Q. I. Roberts, Palatka.

Criswell Ranches with a registered herd located on their Baylor county ranch, Seymour, Texas, recently sold and delivered to the Victoria Land & Cattle Company at Deming, New Mexico, 45 or about two car loads of bulls. The buyers have two ranches in New Mexico, two in Arizona, one in Montana and a large feeding place in California and under normal conditions run about 15,000 head of cows.



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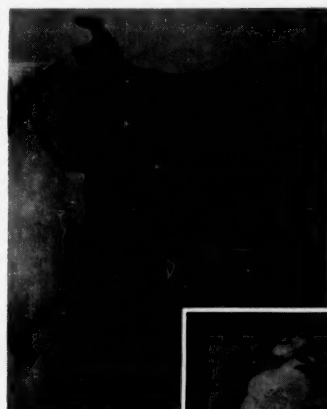
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By R. M. BETHKE,¹ Ralston Purina Company

SOMETHING new and different has been taking place in beef cattle feeding in recent years. Wherever beef cattlemen gather you hear new and strange things discussed like: feeding corn cobs, citrus pulp, cotton wastes, peanut shells, urea, roughage digestion and utilization, quality of roughage, feeding rumen bugs, trace minerals, stilbestrol, antibiotics, unknown factors, creep-feeding, etc. Practically all of these terms are foreign to old-time cattlemen. Some individuals still think that all this "new fandangled stuff" is the dream of modern researchers and falls in the "so much baloney class." One chap recently put it as follows: "These new developments in cattle feeding have hit the country almost like an old-fashioned fever or bug." What's in back of this anxiety or fever? Chances are that if you asked a dozen cattlemen this question, you would get a dozen different answers. The basic answer, in my judgment, is one of just plain economics—dollars and cents.

Cattlemen must make money to stay in business. The cattle market for the past few years has made many of you scratch your heads. Currently, you have to feed and manage out profits rather than depend on a rising market. It puts a premium on proper feeding and management—where it should be for sound business.

Will New Developments Result in More Gains?

Some of you no doubt have wondered and are wondering if these new developments in cattle feeding will allow you to get more from your grains and roughage. You have asked yourself questions like the following: Will this new "know-how" put on additional gains at lower costs? How does it affect my calf crop? What about quality of roughage in a cattle program? What about these new-type beef supplements? Can more roughage and less grain be used more economically in feeding cattle by making greater use of better supplements? Is it possible to use low-quality roughages and larger amounts of the right kind of supplemental feed and come out "on the right side of the ledger"? What about

the merits or demerits of stilbestrol in feeding operations? Do antibiotics have a place in cattle feeding? What about urea in cattle supplements?

Let's take a look at some of these newer developments. First, let us consider the brood cow and her calf. It is an established fact that proper nutrition of the breeding herd is essential for a high percentage calf crop and for strong vigorous calves at birth. It takes more than plenty of indifferent roughage—which is apt to be lacking in protein, vitamin A, and mineral content—to insure a good calf crop. Such roughages must be supplemented with products that supply the deficient nutrients and that will allow the cow to get maximum feeding value out of the roughage offered or available. A pound or two of the right kind of supplement per head daily during the gestation period can easily result in a 10 to 20 per cent increase in the calf crop.

Creep Feeding Calves

Creep-feeding of calves has also aroused much interest on the part of cattlemen. Individuals who have tried it have reported that it has paid off in: (a) heavier calves at weaning, (b) up-graded the calves so that they brought more money when sold, and (c) reduced the cow weight loss. Naturally the extent to which creep-feeding will prove beneficial depends upon the milking ability of the cow herd and the adequacy of the feeding program or the kind of pasture to which the cows and calves have access.

Quality Roughage

You have all read and heard a great deal within recent years about "quality of roughage" in a fat cattle program. You have heard that corn silage, grass silage, poor hays, corn cobs, cotton waste, and citrus pulp have feeding value when properly supplemented. The original work with corn cobs served as the stimulus to focusing attention on "quality of roughage" as an important factor in feeding cattle. In fact the first work with corn cobs demonstrated two new developments in cattle feeding: one, that the feeding value of low-grade roughages can be materially increased when they are properly supplemented, and, two, that the supplement must supply energy, minerals

¹Presented at the First Annual Beef Cattle Day, State College of Washington, April 25, 1955.

including trace minerals, vitamin A, and unknown factors needed by "rumen bugs," in addition to protein. Other experiments with low-grade roughages showed that such a supplement fed in proper amounts greatly improved the feeding value of such roughages. Experiments with high-quality roughages such as corn, sorghum, and grass silages also indicated the desirability of using (1) more supplement, and (2) more complete beef supplements in putting on faster and more economical gains. Let me emphasize that good-quality roughages, whether they be pasture, hay, or silage, still have a number-one position in cattle-feeding operations and should be encouraged. However, not all feeders have good roughages available. These individuals need economical-proven feeding programs built around poor roughage.

The experiments that proved the foregoing statements were not accidents. They were designed to put into practice certain fundamental knowledge accumulated over a number of years. That cattle needed vitamin A had been known for sometime. Also the needs for energy, protein, and minerals were well recognized. The needs of rumen microorganisms, although less well known, had been developing for a number of years. The story of rumen microorganisms and the part they play in cattle nutrition merits brief discussion.

Urea and Rumen Bugs

Probably the first inkling that rumen bugs are important in cattle nutrition came about 20 years ago in studies with urea at the University of Wisconsin. Workers at that institution showed conclusively that dairy heifers could make use of the nitrogen in urea as a partial substitute for protein. Many experiments since then have shown that urea when properly used is a satisfactory ingredient in cattle rations.

The second inkling that cattle nutrition is different than swine and poultry nutrition came in the early 1940's when it was learned that cattle do not need feed sources of the vitamin B complex so important in swine and poultry feeding. By means of rumen fistuli, or openings into the paunch of cattle, researchers found that the "rumen bugs" were able to produce these B vitamins in adequate amounts to meet the needs of cattle.

The third major development with "rumen bugs" involved roughage or cellulose digestion—the feeding of the "rumen bugs" in order to efficiently break down the cellulose or fiber of the roughage. It had been known for a long time that cattle and other ruminants could make use of large amounts of roughage. However, the idea of feeding "rumen bugs" so that they could more efficiently digest roughage was new. Also being able to formulate rations or supplements that take into account the nutritional needs of the "rumen bugs" is something new.

In recent years a number of experiment station and industrial research workers have been studying the possible place and use of antibiotics, which are so

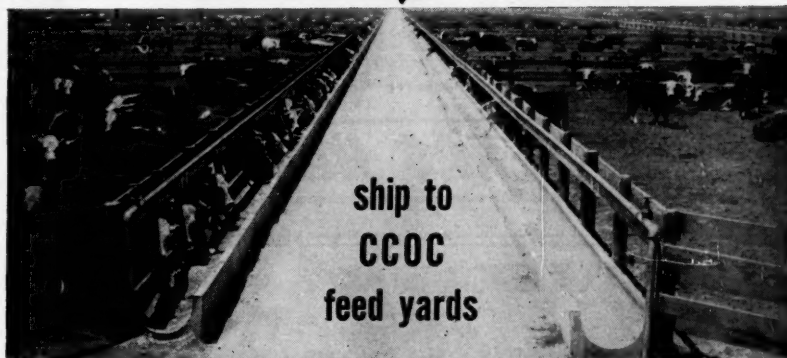
popular in poultry and swine feeding, in beef cattle nutrition. The reported work on this problem that has come to my attention is not entirely clear-cut in the sense that not all trials have shown favorable results from the feeding of antibiotics. In general, the majority of the reported work shows some increased growth from the feeding of antibiotics in high roughage—medium to low-energy-type rations—or in growing rather than rapid-fattening-type rations.

Stilbestrol Increases Gains

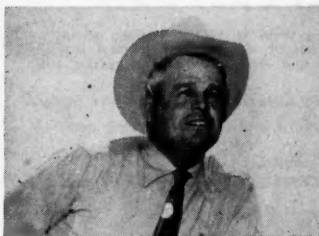
The discovery that the feeding of the female hormone, diethylstilbestrol, to slaughter cattle increases gains and causes better feed utilization has created

about as much interest among cattlemen as the development of the "atomic bomb" did among our human population. The results of more than a dozen separate experiments (Experiment Station and Commercial) that I have seen have shown significant increases in daily gains and better feed utilization when stilbestrol was fed at the rate of approximately 10 milligrams per head daily. In none of these experiments where shrink, grade, and dressing percentage data were gathered was there a significant difference in these factors between stilbestrol and non-stilbestrol-fed cattle. Recent data released by Iowa State College also revealed no significant differences in the

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meat or meat cuts from the hormone- and non-hormone-fed animals.

Some forty odd years ago Governor W. D. Hoard of Wisconsin is reputed to have said that "the darkest spot on earth was the inside of a cow." This no doubt was true then, but today considerable light has been shed on what happens inside the cow or steer—through feeding experiments, the use of fistuli in the rumen of cattle, and the artificial or laboratory rumen. The interesting fact is that feed-lot trials have substantiated the principles discovered in the artificial rumen. Conversely it had been known for some time from feed-lot trials that certain formulations or combinations outperformed others even though the protein content and the other then-known nutrient constituents were identical. Work with the artificial rumen has helped to give us an explanation.

Summary

In summary, the more recent experimental work as applied to beef-cattle feeding, including feeding experiments, work with fistulated animals, digestion experiments, and studies with the artificial or laboratory rumen, has revealed:

1. That roughage is an important part of the complete ration.
2. That roughages vary greatly in feeding value—and that supplements must make up what roughages lack.
3. That the proper amount of protein (nitrogen) is necessary for best roughage utilization.
4. That poor-quality roughages if properly supplemented can be used for beef production.
5. That grains or high carbohydrate feeds help digest roughages.
6. That urea nonprotein (nitrogen) when properly supplemented and used can serve as an efficient partial source of protein.
7. That certain minerals are important in good cellulose digestion and protein utilization.
8. That certain natural products contain unknown factors that favorably affect protein utilization and cellulose digestion.
9. That adequate nutrition during gestation is essential for a high percentage calf crop and for strong vigorous calves.
10. That creep-feeding of calves can pay dividends.
11. That the feeding of antibiotics might be worthwhile under certain conditions.
12. That the feeding of proper levels of stilbestrol to slaughter cattle results in increased gains, better feed utilization without a significant effect on shrinkage, dressing percentage or carcass grade.
13. That for most economical production, the ration of cattle must supply adequate energy, protein, minerals, certain vitamins, and unknown factors present in certain natural products.

In closing this discussion I want to make it clear that we do not have all of the answers to the most proper and most economical ways of feeding beef cattle—even though a great deal of progress has

been made in the last two decades. There still are "unknowns" or many "dark places" in the inside of the cow or steer.

It is "work shops" like this research unit, which has been appropriately named "Steers for Know How," that will help illuminate the dark spots and turn unknowns into knowns.

Propose American Beef Cattle Performance Registry Association

PLANS were discussed by interested cattlemen in Amarillo, Texas, recently about the possibility of forming a new organization to be known as the American Beef Cattle Performance Registry Association.

Backers of the proposed association stated that the organization would not take the place of any existing organization. Purpose of the association would be to provide a registry that will show the gaining ability of the animals. Colby Conkwright of Hereford, Texas, is provisional president and Clyde Bradford of Happy, Texas, is president elect. Max Blau of Follett is first vice-president; Lee Richerson of Stinnett is second vice-president and Percy Powers of Perryton is third vice-president. Dr. M. A. Callingham of Canyon, Texas, is temporary executive secretary.

All Progressive Ranchmen Read
The Cattleman.

Crop Oats Support Rates to Be For County Where Produced

THE U. S. Department of Agriculture has announced a change in the 1955-crop oats price-support program that provides for making farm- and warehouse-stored loans and settlements of loans and purchase agreements, at the support rates for the county where the oats are produced rather than at the rate for the county where the oats are stored as in past programs.

This provision applies also to price support rates for 1955-crop corn and soybeans, as previously authorized. It will facilitate storage and assist in the take-over of these commodities in instances where county lines are crossed.

Cottle-King Horse and Colt Show

GENERAL LEE, owned and exhibited by Arthur Rogers, Greenville, N. M., was named grand champion stallion of the 13th annual Cottle-King Quarter Horse show held at Paducah, Texas, April 22-23. General Lee is a son of King P 234. The reserve champion stallion was French Fry, owned by Judy Burleson, Lazare, Texas, and exhibited by Fagan Miller.

Poco Maria, a daughter of Poco Bueno owned by E. Paul Waggoner, Vernon, Texas, was grand champion mare and

Chubby's Queen B, owned by H. L. Akin, Frederick, Okla., was reserve champion.

Louie Reed rode Champ, owned by Son Reed, Iowa Park, Texas, to win the junior reining contest and Sam Wright won the senior reining contest on Skipper. The open reining contest was won by Son Reed on White Man.

The open cutting horse contest finished in a tie for top honors between Beavers Betty, ridden by Dick Beavers, Paducah and Fiur Star, ridden by J. D. Craft, Jacksboro, Texas.

All Meat Cuts Can Be Tender

YEARS of research in home economics laboratories and kitchens, using hundreds of thousands of meat cuts, have established the fact that any cut of meat can be tender and appetizing—if properly prepared, according to the National Live Stock and Meat Board.

The phrase "if properly prepared" is the key to this.

For one thing, all meats should be cooked at low temperatures. This retains the juices and flavor, cuts down vastly on shrinkage, and assures tenderness.

Also, a meat thermometer is invaluable in bringing that meat to just the right degree of doneness.

Here is another vital tip on meat cookery—cook the tender cuts by the dry-heat methods and use the moist heat methods on the less-tender cuts.



ALL-AROUND \$1250

New two-way hat for '55. New style crease. New matching woven band. New brim that you can wear Western style or Snap-Brim. NATURAL WHITE or SAND color. Brim widths 3", 3½", or 4".

The finest hats you can buy for the money. Hand woven of selected Palm fiber. Waterproof and practically unbreakable. Blocked under hydraulic pressure to hold their style and shape. You shape the brim to suit yourself.



**COOL
HEADS
Wear
Ryon
Hats**



RYON ROPER \$1250

Ventilated for super-coolness. NATURAL WHITE with brim 3", 3½", or 4". SAND or COFFEE color with brim 3½" or 4".



**ORDER
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DEPT. C-5 LIVESTOCK EXCHANGE BLDG., FORT WORTH 6, TEXAS	
Please send me POSTPAID the following Ryon hats:	
(Quantity) All-Arounds @ \$12.50	Size _____ Color _____ Brim Width _____ (3", 3½", 4")
(Quantity) Ryon Ropers @ \$12.50	Size _____ Color _____ Brim Width _____ (See above)
Enclosed is Check or Money Order for \$ _____ (No. C.O.D.'s please)	
NAME _____	
ADDRESS _____	
CITY _____	STATE _____

ONE OF AMERICA'S
OLDEST, LARGEST AND
GREATEST
HEREFORD HERDS
36 Years of Continuous
HEREFORD BREED IMPROVEMENT

Foster

Three Big Days:
SELLING:

1919 • 1955



FF ZATO TONE

Tone Lad M. 524th 5826402	H&D Zato T. Lad 8th 2863405	Zato Tone 2d Bonnie Blanchard 26th
May 3, 1951.	Miss Paladin Dam. 8th 3905833	Paladin Domino L. Etta Domino 3d
Donia Onward 19th 5687924	Real Onward 2589615	Real Prince 1st Miss Munsen 7th
	Real's Lady 6th 4910842	Real Domino Jr. Princess Real 31st



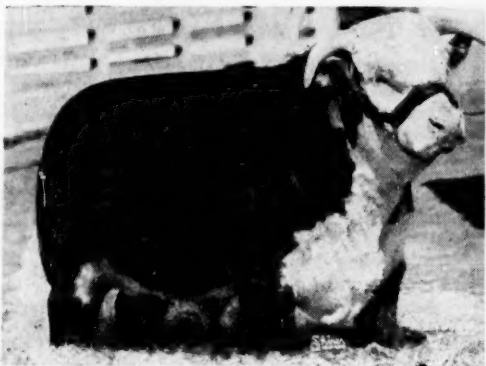
A FEATURE OF THE SALE IS THIS OUTSTANDING BREEDING BULL THAT SELLS! A large number of his get sell (some are pictured below). They are great-headed animals emphasizing type and smoothness. Many cows carry his service.



FF LAMPLIGHTER 19th, a good son of our herd bull, Atomic D. Lamplighter 12th, he a son of Atomic D. Lamplighter, sells. He is a proved herd sire and an outstanding individual.



BATTLE INTENSE 222d, a proved herd bull with plenty of bone and substance you'll like. He sells and his get and service sell. This bull is a son of Battle Intense 81st.



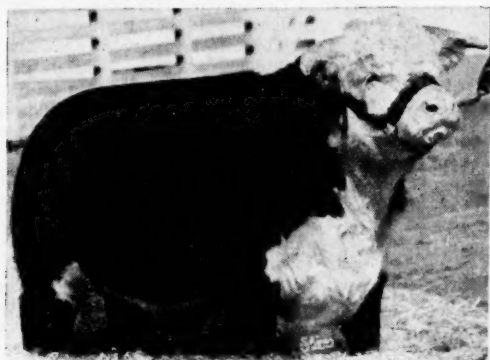
BATTLE INTENSE 209th is a son of Battle Intense 44th, and is a double-bred Intense Domino bull. He has lots of mellowness and body. He sells and his get and service sell. Many of the cows selling are bred to this herd sire.

Farms Dispersion

JUNE 16-17-18, REXFORD, KANSAS 390 LOTS . . . 600 HEAD

63 BULLS WILL SELL—

NINE HERD BULLS SELL . . . six of these are pictured and pedigrees of two shown here. Included will be 54 yearling and two-year-old bulls featured. In addition to this array of herd-bull power selling, there are 30 of our September and October bull calves catalogued with their dams, **BUT WILL SELL SEPARATELY!** This dispersion will give everyone an opportunity to buy proved bulls and herd-bull prospects carrying some of the most popular bloodlines in America today.



FF LAMPLIGHTER 8th, a son of Atomic D. Lamplighter 12th, he by Atomic D. Lamplighter, is a bull with tremendous bone and substance. He sells, and many of the cows selling are bred to him.

BATTLE INTENSE 137th

W. Battle Intense 34th 6562875	{ Battle Intense 68th 5013585	{ Battle Intense Miss Dominetta
Jan. 2, 1953.	{ Dominetta 69th 5013585	{ Intense Domino Lassie Domino
Miss Dominetta 70th 4027476	{ Intense Domino 51st 2827098	{ Intense Domino Dominola 76th
	{ Dominola 50th 2134319	{ Anxiety Domino Betty Mischief

THIS SON OF W. BATTLE INTENSE 34th has tremendous bone, with a world of size and substance. Popular bloodlines dominate his pedigree. He sells and his get and service sell.

327 FEMALE LOTS—

OF THE 327 COWS OFFERED, 75 will sell with fall calves (many of the calves to be sold separately), and are rebred to calve again this coming fall. 135 cows will have calves at side, which were dropped since Jan. 1, 1955, and most are rebred. Those remaining are dry cows. In addition, there are 36 two-year-old heifers, 40 yearling heifers, and 24 heifers from our show barn (all ages) selling. This latter group also includes many show prospects we have been grooming for this purpose.



PIONEER DOMINO 1st, a son of Pioneer Domino 11th, is a bull with tremendous size and extreme mellowness. A number of the cows selling carry his service. He sells and his get and service sell.

O. LAMPLIGHTER 37th

Onward Lamplighter 3540178	{ Imperial Lamplighter 2730301	{ The Lamplighter Dulcie Mischief 16th
Nov. 16, 1948.	{ Blanche Mischief 50th 2907835	{ Mousel Mix Blanche Mischief 45th
Maybelle Domino 15th 4290447	{ The Lamplighter 2020166	{ Advance President Blanche Mischief 21st
	{ Maybelle Domino 14th 3543552	{ Master Mix Maybelle Domino 12th

THIS GOOD SON OF ONWARD LAMPLIGHTER, out of a daughter of The Lamplighter, has the size and substance characteristic of all of the nine herd bulls offered. He sells and his get and service sell.

It isn't every day that you can buy a herd bull of top quality like these we are offering in our dispersion sale. We urge you to make your plans now to attend our sale opening day, and make your reservations at once. This is being emphasized, **BECAUSE ALL OF THE CATTLE WILL BE SOLD JUNE 16 and 17 . . . THE FIRST TWO DAYS OF THE SALE, IF POSSIBLE!**

For Catalogue, Write:

**Fulkerson Hereford Sale
Service**

LIBERTY, MISSOURI



REXFORD, KANSAS

**BENJAMIN B. FOSTER, Owner
KANSAS CITY, MO.**

E. D. Mustoe, Manager
E. D. Mustoe, Jr., Asst. Mgr.
Dale Morton, Herdsman
Norval Mart, Breeding Herd

USDA Reports On Wind Erosion

THE U. S. Department of Agriculture reported recently that wind erosion conditions still exist in the southern Great Plains, (western Texas, eastern New Mexico, western Oklahoma, western Kansas, eastern Colorado, south-western Nebraska and southeastern Wyoming). The information is based on reports received regularly by the Soil Conservation Service. Severe dust storms and land damage may occur again this year.

Drouth has persisted over much of this region for four years or longer. Last spring the most widespread and severe

soil blowing since 1938 occurred. General conditions have not improved during the last year. In some localities moisture and crop conditions have deteriorated still further.

This does not necessarily mean that dust storms and wind erosion will be worse when the normally high winds of this summer come. That depends to a large extent on the velocity and persistence of the spring winds; and on the amount of rain and snow that falls. Recent storms have narrowed the area vulnerable to potential damage.

SCS reports show that more than 4 million acres of land were damaged by wind erosion last winter. Most of this soil blowing occurred during December.

Wind velocities were lower in January than during December; hence, dust storms were not so frequent, and land damage was much less severe.

Nevertheless, soil conditions are such that the usual high spring winds can bring damaging dust storms. If above-normal winds come to the region this spring, as they did last spring, farmers probably will have a serious dust problem.

The Department of Agriculture is prepared to aid in such emergencies. USDA agencies are working closely with people in the states toward a long range solution of these dust storm and wind erosion problems of the southern Plains.

There always will be dust blowing in the Southwest in dry years as long as bare surfaces of light soils are exposed to high winds. The land in most part is privately owned and privately controlled. If the land could be used so as not to leave it bare during the blowing season, the problem would be eliminated. Good farming practices in this area have shown evidence of this. Through the Agricultural Conservation Program Service, Soil Conservation Service and Extension Service these types of land uses have been encouraged.

There have been and are now ACPS funds available to encourage permanent improvements to protect the soil in this area. The problem is extremely important to the people in the area and it has and will continue to receive the best planning the Department of Agriculture has to offer.

The United States Department of Agriculture is keeping in touch with developments in the Great Plains area. The Department has held operating meetings in various regions involving ACPS, SCS, FHA and Extension Service. It has had representatives of USDA committees in from the drouth states. It has held a series of meetings of its drouth committee in the Department, and has benefitted from Congressional advice on drouth matters.

The problems created in the area by wind erosion are under constant scrutiny. Agencies of the Department are now operating in the area and are in readiness to extend their operations within the limits of Departmental resources, should the problem further intensify.

Meat Food of Variety

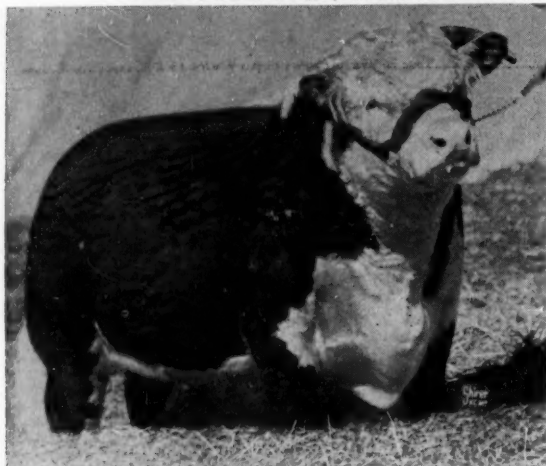
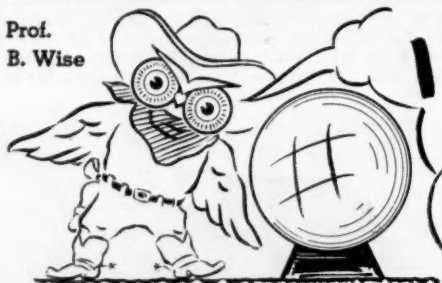
MEAT is a food of wide variety. There are many cuts to choose from and they can all be tender and appetizing if properly prepared, according to the National Live Stock and Meat Board.

Use the dry heat methods—roasting, broiling, panbroiling—in cooking tender cuts.

Cook the less-tender cuts with moist heat—that is by braising or cooking in liquid.

Your brand is your coat of arms, but it is of little use unless it is recorded.

Prof.
B. Wise



- Quality
- Good heads
- Ample bone
- Thickness
- Depth
- Prepotency

in the
calves by

TR

ZATO HEIR

344

We have no calves as yet by this top, young bull, but we do have many females of Colorado Domino-Mischief-Mixer breeding in calf to him. Looking into the future, and judging from the production records of these females and the breeding and individuality of the "344th", it is reasonable to expect calves that will be truly outstanding.

Visit us and inspect the prospects we now have—
they are all straight Mill-Iron bred.



O. C. SYKES & SONS

—~ O.C., BILL and BOB ~—

BOX 541 FORT SUMNER, N.M. 10 MILES SOUTH ON HY. 20

MOUNTAIN TOP RANCH

(formerly H. R. Roult Herd)

Polled Hereford Dispersion MERIDIAN, TEXAS

THURSDAY, JUNE 9, 12:30 P. M.

95 LOTS — 130 HEAD

56 Cows, most with calves at side

6 Young bulls

26 Open heifers

1 Herd bull

**Herd bulls NM B Woodrow Mischief 8th by
Woodrow Mischief 6th and Bonnie Mischief
1st by Diamond K239**

Cow herd consists of daughters and granddaughters of

Diamond K239

Woodrow Mischief 205

Polled Perfection

Sir Perfection 45

SALE AT THE RANCH

**5 Miles West on Highway 22 — Turn at
Sign, ¾ mile to Ranch**

George Cook, Owner, Meridian, Texas

For Catalog Write Walter S. Britten, Auctioneer, College Station, Texas

Producing Commercial Calves By Crossbreeding With Brahmans

**Tests at Texas and Florida Experiment Stations
Prove Conclusively That Brahman Hybrid
Vigor Increases Production When
Crossed With Any Breed**

By DR. LLOYD CLYBURN, Director, Information and Education,
American Brahman Breeders Association



Aged steers out of native Spanish type cows and by American Brahman bull. These are Florida cattle.

IT IS estimated that 95 per cent of the American Brahman bulls produced in the United States and Cuba are assigned to commercial production. Of these, including about 30 per cent of the annual total production in the United States which is exported, about 35 per cent are assigned to up-grading native or European type cattle. The objective of this is to continue to use American Brahman bulls for top crossing until the American Brahman type is established. Five per cent of the annual production of American Brahman bulls is assigned to purebred herds. About sixty per cent of the annual bull production is assigned to crossbreeding onto the English beef breeds and native types of cattle. There are two objectives here—one being to increase the market weight and decrease the market age of the animals and the second being to produce a first cross Brahman crossbred brood cow.

There has been much written on the minimum and maximum of percentages of Brahman and European type blood needed in combination for ideal beef production. Such proclamations have not been borne out by statistical investigations. Except where extreme environmental limitations are encountered, such as the tropical and subtropical climate of the Southern United States and Central and South America and the Caribbean regions, more variations will be found in beef production performance within the breed than between breeds.

Evidence from Texas and Florida Experiment Stations shows that first cross Brahman-English type calves are 10 per cent heavier than the pure English calves at weaning, that they feed equally as well if not better than the pure English steers, finish at the same grade and age, kill at a heavier weight at a lesser age, produce a carcass in the same U. S. grade with a ten per cent larger rib eye and a five per cent heavier loin and round than English cattle of equal breeding quality and raised and fed under identical conditions. The evidence at hand from these stations is that calves out of half Brahman-English type crossbred cows wean at a weight 25 per cent heavier than pure English calves; and

that three-quarter Brahman calves out of such cows feed as well (if not better in the summer or in warm climate) as do the half-breed steers and produce carcasses of equally high quality.

It has been proved that an increase in production results when the American Brahman is crossed onto any breed or type of cattle in the United States. Some of the increased performance is credited to heterosis or hybrid vigor. Some is credited to increased environmental adaptability derived from the Brahman. Some of the increase is undoubtedly from size, for the Brahman is a large breed of beef cattle.

The Best Cross

The most profitable cross for a farmer or rancher to make is American Brahman bulls on the cows he has. Any advantage that might be derived from selling his cattle on hand and purchasing others would likely be dissipated in the cost of making the change. He would want to keep the foundation cows no longer than would be required to get the first-cross Brahman heifers into production, anyway.

American Brahman Bulls on English Type Cows—This is one of the most popular practices in crossbreeding in the United States. Commercial cattlemen have built up high quality grade and purebred English type cow herds on which American Brahman bulls work well. A summary of all the research comparing this system with the produc-

tion of purebred English type calves shows that first-cross Brahman-English calves averaged 28 pounds heavier at six months of age than pure English calves under the same conditions.

English Type Bulls on Brahman Cows—The advantage of this program is the increased and sustained milking ability of the dam on through warm weather. Here increased environmental adaptability, disease resistance and increased length of life—all these contribute to the advantage of using Brahman cows in crossbreeding.

Those trying the program in the southern part of the United States have encountered difficulty in keeping the bulls working. Such a difficulty would not seem apparent farther north in cooler climates.

American Brahman Bulls on Native and Dairy Type Cattle—Experimental work conducted at the Carpenter, Ohio, Experiment Station indicates that more improvement can be brought about in the calf crops of native dairy type cows by using American Brahman bulls than by using bulls of other breeds. Brahman-dairy type calves out of native cows weaned heavier and sold for more money for two consecutive years at the Carpenter Station than did calves out of the same type cows and by English breed bulls.

The relatively low investment required to stock with the native dairy type cows and their high fertility and milking ability makes this an attractive beef production business in some areas. Although there has been little, if any, research completed on this it would seem that such an enterprise would be necessarily limited to slaughter calf production.

Producing Commercial Calves With Brahman Crossbred Cows—In all of the research work on producing calves by crossbreeding with Brahmans that has been completed, the first cross Brahman-British beef type cow has been consistently superior. Such cows live long, prolific lives, producing heavy calves year after year. Calves by such cows have consistently outweighed all calves by

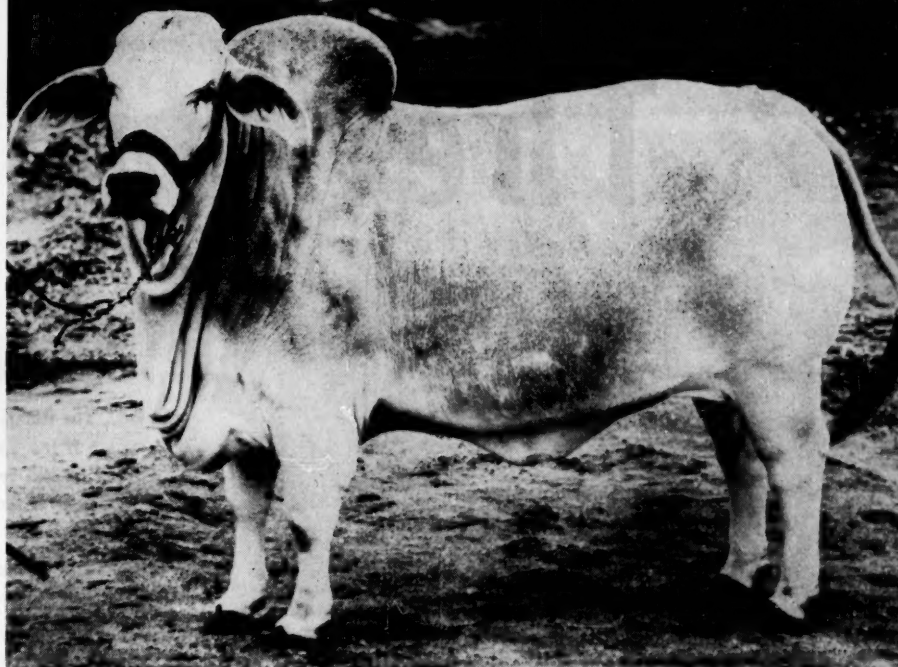
(Continued on Page 106)



A first-cross Brahman-Jersey cow in the Texas A & M College experimental cross-bred dairy herd.

HERE IS AN EXAMPLE

Note the great depth of body—from the crest of the withers to the floor of the chest—and the width of chest. Look at the strength of the back and the fullness and plumpness of the loin, and the extreme length of the rump. You have no trouble, even in this side-view picture, in seeing the tremendous width, thickness and depth of the round.



A 1,500-pound, 33-month-old heifer standing on bare ground.

This photograph was taken at the San Antonio Livestock Exposition of 1954, just after this heifer was named Champion Female of the American Brahman Division. The picture is absolutely unretouched.

There are other important characteristics of the American Brahman shown in this picture:

- An abundance of loose, pliable, thin skin, contributing to the Brahman's ability to hold its body temperature at normal when the air temperature goes above 70 degrees F. Fine-textured skin of great durability, that adds to the Brahman's protection against blood-sucking insects, as well as against bodily injury. A hide that contracts as the air temperature goes down, enabling the Brahman to withstand cold weather also.
- A light, glossy coat of thick, short hair that reflects 22 to 55 per cent of the sun's rays.* A hair coat that gives the animal further protection from the harassment of insect pests.
- A heavy, black pigmentation of the skin, stopping the damaging penetration of the rays of the sun. American Brahman and Brahman crossbred cattle are for all practical purposes immune to cancer-eye and pinkeye.

Still there are other characteristics of the American Brahman, proven over and over under range conditions:

- Never a case of lumpy-jaw reported in a Brahman or a Brahman crossbred animal.
- Brahman and Brahman crossbred cows live much longer.
- A high degree of resistance to anaplasmosis and paraplasmosis (tick fever).
- Brahman and Brahman crossbred cows wean milk-fat calves on fair range.

*Gilbert, H. R., and G. H. Hart, "Physiological Processes and Cattle Breeding," California Beef Production, Manual 2, Sec. II, Cal. Ag. Experiment Station, Davis.



AMERICAN BRAHMAN BREEDERS ASSOCIATION

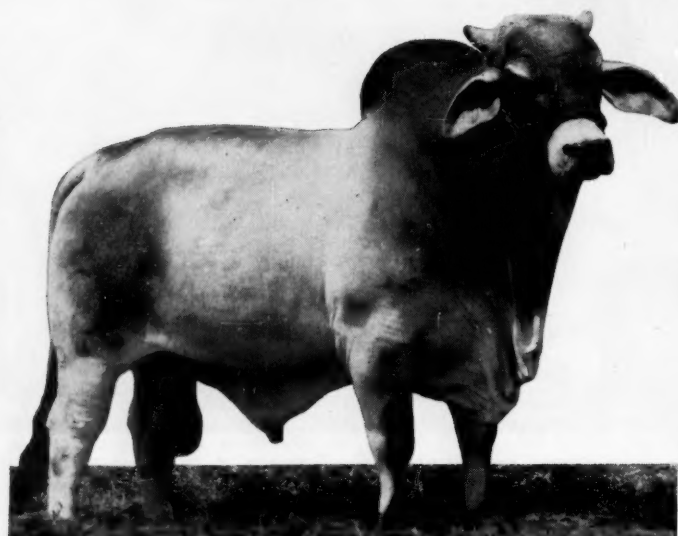
1208 LOUISIANA

• HOUSTON 2, TEXAS

The American

Truly

"an American Breed"



*A Typical Champion
American Brahman Bull*

The American Brahman was developed in the Southern part of the United States by the systematic concentration and careful selection from the blood of a few outstanding animals of Asiatic-Indian origin, imported into this country from 1849 to 1925.

The impact of the American Brahman upon the beef cattle industry of the United States has been tremendous. Starting with a handful of imported Indian cattle, American breeders have developed a new beef breed that has made a most significant contribution to the improvement of the beef cattle of this country. Brahman blood is now found in many millions of cattle in the United States and through the process of "TRUE HYBRID VIGOR" have placed extra pounds of good beef on a large percentage of the commercial beef cattle of this nation.

If you are interested in producing bigger and better calves from your commercial herd or want to buy the best foundation stock for your own registered herd, contact any of the breeders listed below.

J. D. HUDGINS RANCH Breeder of Beef-Type Brahman Cattle HUNGERFORD, TEXAS	BAR-M BRAHMAN RANCH W. K. McLean CROCKETT, TEXAS	EAGLE'S NEST RANCH Dr. Allen L. McMurrey 1204 Eagle HOUSTON, TEXAS	PECAN ACRES RANCH Vernon Frost, Owner SIMONTON, TEXAS
BORDER & BORDER HUNGERFORD, TEXAS	WM RANCH Wm. G. Sweetman 4625 Ella Blvd. MAGNOLIA, TEXAS	BARTON BRAHMAN RANCH Faires Barton BERTRAM, TEXAS	LAMBERT'S RANCH A. J. Lambert Hwy. 190—2 Miles West DeRIDDER, LA.
BECK CATTLE & LAND CO. Jones Ranch, 100% Full-Blood Brahman Only—P. O. Box 97 HOUSTON, TEXAS	RALEIGH SANBORN 5X Ranch BAY CITY, TEXAS	A. N. SMITH BANKS, LA.	H. J. PFEIFFER PJP Ranch LaPORTE, TEXAS
AKERS RANCH R. L. Akers, Rt. 1, Box 218 ORANGE, TEXAS	McDANIEL & WADSWORTH J-2 Ranch—Phone WJ5-2936 INEZ, TEXAS	FAY RANCH Albert B. Fay—1801 Dallas Ave. HOUSTON 3, TEXAS	KRENMUELLER FARMS Rt. 1, Box 77 SAN JUAN, TEXAS
CHEROKEE RANCH Tom L. Mills, Jr., Owner, Rt. 2 JACKSON, LA.	TRAMEL STOCK FARM C. B. Tramel MANY, LA.	BURKE BROS. BETTER BEEF-BRED BRAHMANS Box 876 CORNICANA, TEXAS	W. W. MOORE HT Ranch, 100% Full-Blood Red Brahman—Box 97 HOUSTON, TEXAS

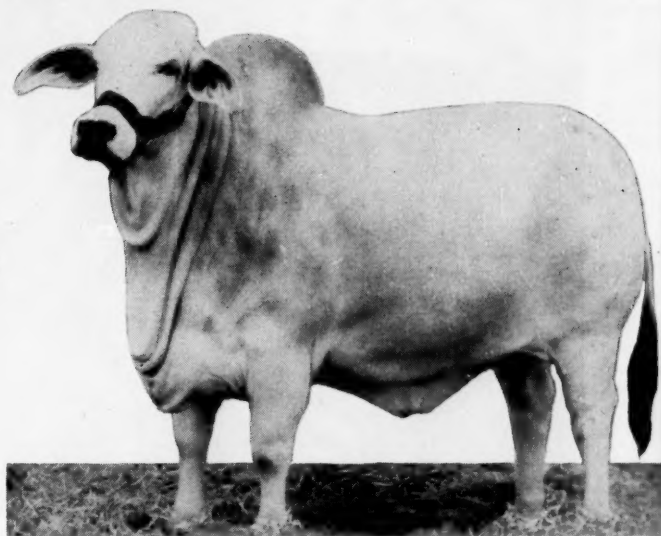
BRAHMAN . . .

Truly "a Beef Improver"

Market More Beef With Precision Breeding

Mate your cows to American Brahman Bulls for true hybrid vigor resulting in . . .

- ★ Greater Fertility
- ★ Hybrid-Driven Hardiness
- ★ Increased Milking Ability
- ★ Longer Productive Life
- ★ Rapid Growth
- ★ Earlier Marketing
- ★ Higher Dressing Percentage
- ★ Less Waste on the Butcher's Block



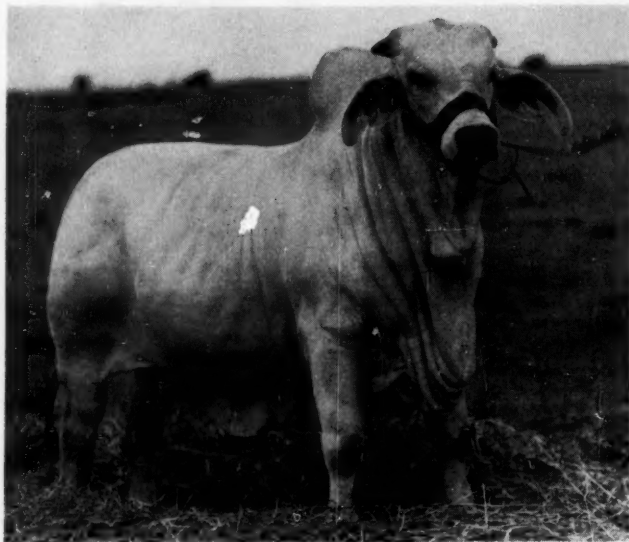
*A Typical Champion
American Brahman Female*



South American Buyers: Any of the breeders listed below can supply American Brahman cattle that will serve as excellent foundation stock for your herd improvement program. Contact them for information about the cattle they have for sale.

J. T. WHITE HEARNE, TEXAS ^c	WILBECK BRAHMAN RANCH S. A. WILBECK HUNGERFORD, TEXAS	STERLING RANCH J. B. Sterling DAYTON, TEXAS	PIERCE RANCH Sam T. Cutbirth, Gen. Mgr. PIERCE (Wharton Co.), TEXAS
DAVID R. KEY Tuscumbia Ranch JEFFERSON, TEXAS	PADDOCK RANCH CO. Barker, Texas Div. 1307 Esperson Bldg. HOUSTON, TEXAS	V8 RANCH Howard C. Parker—Box 788 CENTER, TEXAS	WILBOURN S. GIBBS Double U S Ranch, Box 472 HUNTSVILLE, TEXAS
EDWARD NASH Box 400 KAUFMAN, TEXAS	WILLIAM STATES JACOBS Full Blood Brahman Ranch HOUSTON, TEXAS	DICK CAMPBELL Route No. 2 PLAINVIEW, TEXAS	MILBY BUTLER LEAGUE CITY, TEXAS
STUART BRAHMAN CATTLE L. R. Stuart POTEET, TEXAS	GAIL WHITCOMB Whitcomb's Clear Creek Farms 1501 Commerce Bldg. HOUSTON 2, TEXAS	W. P. McCOMB ESTATE Anchorage Ranch CONROE, TEXAS	BARZEE BRAHMAN J. V. Gates POTEET, TEXAS
PARET RANCH G. L. Paret, Box 531 LAKE CHARLES, LA.	BROWNLEE BRAHMAN RANCH 7 miles So. of Burnet on US 281 BURNET, TEXAS	CARPENTER RANCHES Southland Life Bldg. DALLAS, TEXAS	AMERICAN BRAHMAN BREEDERS ASSN. 1208 Louisiana HOUSTON, TEXAS

REGISTERED BRAHMAN



HCK Suva Nobile I

Age 18 months

The above animal is typical of our breeding.

A special invitation is extended to our many friends
in South America to visit our ranch.

HENRY C. KOONTZ RANCH

Clarence (Snake) Taylor, Foreman

Inez (Victoria County) Texas

Mail inquiries to:

Earl W. Fischer, Victoria Bank & Trust Co.

P. O. Box 730

• Victoria, Texas

NOW OFFERING FOR SALE

Santa Gertrudis

- 1 Running W Bull
- 20 Young Cows
- 5 Choice Bull Calves

Registered Brahman

- 1 Herd Sire, 4 years old
- 50 Good Cows
- 10 Young Bulls

GOOD CATTLE AT REASONABLE PRICES

G. A. PARR

Phone 4-3694

Alice, Texas

P. O. Box 1011



A productive cow and a big calf. This is a first-cross Brahman-English type cross-bred cow with her three-quarter blood Brahman calf at side.

Producing Commercial Calves

(Continued from Page 102)

other cows with which they were compared.

At one time it was popularly advocated that the most profitable beef calf production enterprise could be had with first cross Brahman-British type cows and British bulls. This belief was largely the result of a very successful crossbreeding program at the Lufkin, Texas, Experiment Station, where first cross Brahman-Hereford cows were compared with three-fourths Hereford, one-fourth Brahman and pure Hereford cows in calf weaning ability where a Hereford bull was the sire of all calves. It was concluded with little difficulty that of these three systems the use of the first cross Brahman cow and the Hereford bull was the most satisfactory. This practice is used widely throughout the country today. Later the Lufkin Station acquired more Brahman bulls, as did the Bluebonnet Farm unit at McGregor, Texas. From this and certain investigations in Florida, the evidence now at hand is sufficient to conclude that the use of Brahman bulls on Brahman crossbred cows produces equally satisfactory results.

There were considerations in fact that favored the use of Brahman bulls on the crossbred cows. The three-quarter Brahman calves by American Brahman bulls that have been compared with one-quarter Brahman calves out of half blood cows and pure English bulls have gained as fast if not just a little faster to weaning than have the latter type. This held true on through the feeding period. The limited carcass data available indicates that there is very little difference in the carcass of the three-quarter Brahman and the one-quarter Brahman, and any difference that does exist favors the three-quarter Brahman, in dressing percentage particularly. In warm climates where spring calving is practiced the three-quarter Brahman calf is better adapted to the summer heat and thereby more likely to wean in a milk-fat condition than is the one-quarter Brahman. No trouble will be experienced in keeping

Your brand is your own trade mark. Record it . . . protect it!

the Brahman bull healthy and in working condition during a summer's breeding season.

Actually in most parts of the United States the use of both purebred Brahman and purebred English bulls on Brahman-English crossbred cows appears to have proven highly satisfactory. There are investigations underway now that indicate that perhaps the alternation of Brahman and British bulls by generations might prove entirely satisfactory. This would tend to hold a percentage of blood in the cow herd at near 50 per cent from Brahman and English sides respectively. A greater uniformity in the calf crop, and therefore more satisfactory results, may be had by using purebred bulls, regardless of the breed. When crossbred bulls are used on crossbred cows the resulting genetic segregation among the two groups of genes is spread from the extreme of one breed to the extreme of the other.

Ability to make gains is a heritable characteristic and it should be selected for. Regardless of the breeds used in the crossbreeding program a breed in itself is not enough. The individuals used should be cattle of good bone and scale and possess the thickness and beefness desired for beef animals. They should be considered for positions in the herd on their ability to produce heavy weaner calves and to make gains efficiently. Barring extreme environmental limitations, there is more variation in gaining



A first-cross Brahman calf. This calf weighed 500 lbs. at five months of age.

ability within a breed than will be found between the averages of two breeds.

Brahman Bulls on the Dairy Farm—The American Brahman is a beef breed, yet many are used successfully on dairy farms. In the Latin-American countries and Cuba, American Brahman bulls are crossed on European dairy type cattle to produce milking stock adaptable to the climate. The Brahman crossbreds live well and do a fair job of producing milk. The pure European dairy types do not thrive in many tropical and subtropical regions.

Breeding Dairy Heifers—Many dairymen in Texas, Louisiana and Florida keep American Brahman bulls in their back pastures to breed heifers for the first time and to catch dry cows that were missed by the artificial inseminator. The half Brahman-half dairy

type calves grow off rapidly. The calves out of the higher producing cows are generally sold as veal calves at three to four months of age and the cows are put in the milking herd. Another arrangement is that of bunching the calves up; that is, putting two or more calves on one cow and taking the cows released into the milking herd. The lower producing cows are allowed to carry their calves to weaning, when they are sold on the milk-fat slaughter market.

Brahman-dairy type calves have no difficulty in topping the veal market. This provides a valuable supplementary enterprise for the dairy farmer.

Dallas Brahman Show to Offer \$6,000 in Prizes

EXHIBITORS in the National Brahman Show to be held at the State Fair of Texas and Pan American Livestock Exposition at Dallas, October 8-16, will compete for a total of \$6,000, American Brahman Association officials announced.

Of the total premium money offered at the National Brahman Show the Fair has offered \$3,000, and the cattle registry association will match this amount in the premium list.

Ray W. Wilson, Dallas, manager of the Pan American Livestock Exposition, expects more than 200 Brahmans to be entered in the National Show.

Range Raised and Range Conditioned



FOR SALE NOW:

- Crossbred Braford bulls 2 and 3-year-olds.
- A few Brahman bulls for cross breeding purposes. These bulls are ready for service now.



FOR SALE THIS FALL:

- Yearling and 2-year-old Brahman bulls.

Pioneer breeders of Brahman Cattle Since 1906

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PIERCE (Wharton County) TEXAS

SAM T. CUTBIRTH, General Manager

The Cattleman's Book Shelf



THE INDIAN AND THE HORSE, by Frank Gilbert Roe; Publisher, University of Oklahoma Press, Norman, Oklahoma. Price, \$5.00.

One of the truly remarkable phenomena of history was the acquisition of the horse by the Indian tribes of North America. Most primitive people possessed some form of transportation, but the American Indian, like the African native and the Australian aborigine, was pedestrian — until the Spanish Conquistadores came, mounted on magnificent beasts the red men thought were gods.

With horses stolen from the Spanish frontier settlements (and not from "strays" accidentally found on the prairies), the Indian was transformed and revitalized. As an intensifier of original Indian traits, the horse gave the red man a new medium of exchange, made him vastly more mobile, enlarged his capacity as a hunter, and made him a more

awesome foe in warfare. Northward from Mexico, the horse spread through the Plains and the mountains, reaching central Saskatchewan 150 years after its dispersion had started. The Cheyenne gloried in war, and the Comanche became one of the most splendid horsemen the world has ever known. The Blackfoot were the horsemen par excellence and the Crow the "horse traders" of the Northern Plains and mountains. The Nez Perce (who developed the Appaloosa), the Piegan, and the Flathead were noted for their wealth in horses, possessing herds which were numbered in "thousands."

This is the carefully documented account of the Indian pony, that hardy little animal which, despite its "hang-dog" appearance and lack of intelligence, possessed an almost unbelievable speed and endurance which allowed its rider to run down the fastest buffaloes in the herd or leave his cavalryman pursuer far behind. It is also the story of the American Indian and his relation to this animal which broadened his horizons and developed his abilities as horse master and selective breeder, even though he had previously known only the dog as a domesticated creature. But more than this, it is also a historical comment on one of the most turbulent and fascinating eras of American frontier history.

Previous efforts have been made to chronicle the story of the Indian and the horse in early America, but Frank Gilbert Roe's is probably the most exhaus-

tive and certainly the most interesting. It will take its place with the classic works of Robert Moorman Denhardt, J. Frank Dobie, Stanley Vestal, Francis Haines, George Bird Grinnel, and Clark Wissler. Volume forty-one in the Civilization of the American Indian Series, *The Indian and the Horse* contains thirty-one superb illustrations from rare photographs and from paintings and drawings by George Catlin, Alfred Jacob Miller, Charles Wimar, Rudolph Friederich Kurz, Frederic Remington, Charles M. Russell, and others, and a map of the dispersion routes of the horse in North America.

Frank Gilbert Roe, a native of Sheffield, England, came to Canada in 1894 and has worked as a farmer, ranch hand, and locomotive engineer in the Canadian West. He holds an honorary LL.D. degree from Alberta University, and his articles for scholarly publications and his notable book, *The North American Buffalo*, published in 1951, have established him as one of the most gifted of present-day scholars.

THE STOCKMAN'S HANDBOOK. By Dr. M. E. Enslinger. Published by The Interstate Printers and Publishers. Order from Special Book Dept., The Cattleman, 410 E. Weatherford, Fort Worth, Texas. Price \$8.50.

A "five-foot reference shelf" on animal production, has just been condensed into one popularized easy-to-read volume by a Washington State College professor.

The Stockman's Handbook, by Dr. M. E. Enslinger, his sixth book in 5 years,

BULLS! BULLS! BULLS!

- ★ Registered Brahman bulls
- ★ Registered Hereford bulls
- ★ Braford bulls
- ★ Santa Gertrudis bulls

*Large selection 2 to 4 years
old, ready for service.*

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BANK STATIONERS

is just off the press and ready for use "by stockmen, those who counsel with stockmen, and teachers in animal agriculture everywhere."

Dr. Ensminger explains that in the new publication he "has attempted to include all the information that a stockman needs to know in the daily operation of a farm or ranch."

The 598-page 8½x11-inch handbook offers modern and sound know-how on the production of cattle, sheep, swine, and horses. Graphic line drawings, 475 in all, picture important steps in many livestock practices.

Illustrations explain such technical matters as how to determine the best buy in feeds, and how dwarfism is inherited. Other drawings explain Mendelian inheritance, preparing soil samples for analysis, rat-proofing and rodent control measures, buildings and equipment, etc.

Major animal parasites and their effect on livestock are also pictured.

The book's 19 sections cover breeding, feeding, pastures, hay and silage, management, meat, buildings and equipment, animal health, disease prevention and parasite control, selecting and judging livestock, marketing, classes and grades of wool and mohair.

In addition to production, judging, and marketing know-how, the publication also lists laws affecting the livestock farm, breed registry associations, and breed magazines. Agencies, organizations and individuals set up to provide special type of information or assistance to stockmen are also included.

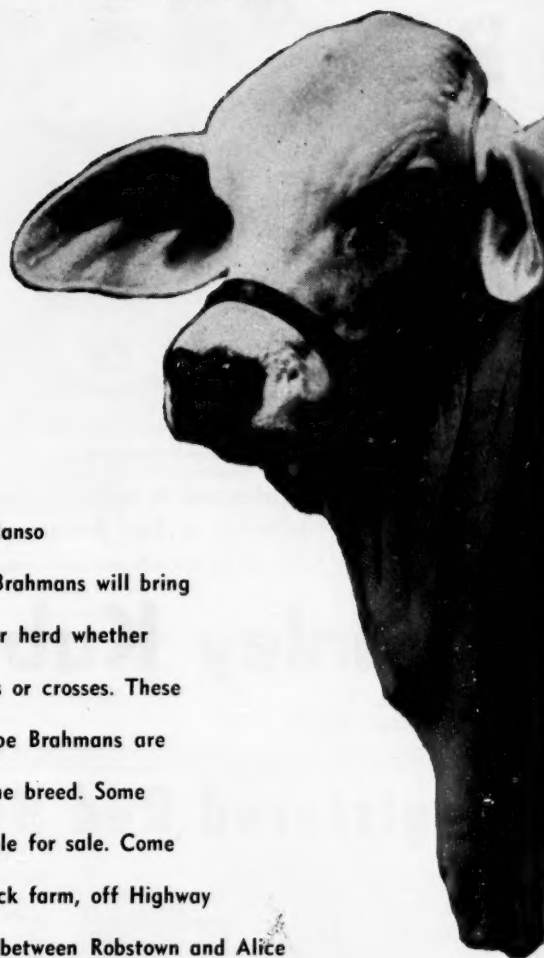
Material in the handbook, Dr. Ensminger explains, was reviewed by 180 different experts throughout the country before the book went to press.

The author is chairman of WSC's department of Animal Husbandry and consultant to the Nucleonics Department of General Electric company. He has had wide experience as a practicing livestock man, formerly managed a research project at Dixon Springs, Illinois, and has taught animal husbandry.

Common, and too often frequent, contributors to mastitis are poor mechanical operation and improper use of milking machines.



ASSET TO ANY HERD



The prize-winning Manso

bloodline of Flato Brahms will bring

improvement to your herd whether

you breed purebreds or crosses. These

outstanding beef-type Brahms are

the aristocrats of the breed. Some

females still available for sale. Come

see them at our stock farm, off Highway

44, near Banquete, between Robstown and Alice

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FLATO
Brahmans

... "AND THE RAINS CAME"

You'll need those Brahman Bulls when you're restocking; so why not buy now?

A nice selection of  bulls and heifers now available at attractive prices.

Write, wire, or better yet, visit . . .

SARTWELLE BROS.

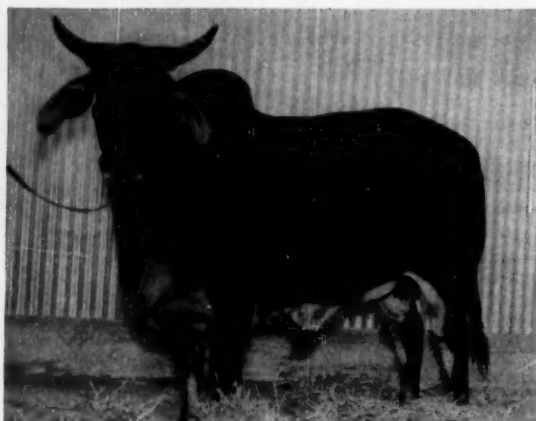
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Houston 4, Texas

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Miss B George 211
(another prize winning red)

**We are pleased to see such increased
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Visitors are always welcome

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Rt. 4
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Registered Red Brahms

KING OF KINGS



RIO RED KING 144

Visitors Welcome

CHEROKEE RANCH

(Ranch at Cherokee, San Saba County, Texas) P. O. Box 152 — San Saba, Texas

RIO NEGRO—GAUCHO—ESTRELLA

OUR BREEDING AIM:

Our Breeding Program features the MAXIMUM AMALGAMATION of those three great imported Red Brahman Sires—RIO NEGRO, GAUCHO and ESTRELLA.

We are using as Red Herd Bulls only RIO RED KING 144 and six of his Top Sons: CHEROKEE KING 40, CHEROKEE KING 41, CHEROKEE KING 44, CHEROKEE KING 71, CHEROKEE KING 72 and CHEROKEE KING 85. The 150 females in our Red Foundation Herd include 34 cows sired by GAUCHO and 25 cows sired by RIO NEGRO. All of our females are mated so that the MAXIMUM POSSIBLE BLOOD of all three imported Red Brahman Sires mentioned above will be transmitted to their progeny.

C. E. YOAKAM
Owner

YOU WILL BE PROUD

Write for further information



TO BE A MEMBER

410 East Weatherford, Fort Worth

ABBA Membership Now Totals 2,144

A PPLICATIONS for life membership in the American Brahman Breeders Association from 33 cattlemen in six states, Mexico, Costa Rica and Colombia, was announced by ABBA officials in Houston recently. This brings the total active membership of the organization to 2,144 Brahman breeders.

The new members are:

W. C. Fuller, Phoenix, Arizona; Ann and Nancy Robbins, Scottsdale, Ariz.; D. B. Yarbrough, Nashville, Ark.

Painted Canyon Ranch, Hemet, Cal.; Frank E. Hunter, Graceville, Fla.; Dr. and Mrs. Charles C. Tindall, Kissimmee, Fla.

From Louisiana: George A. Futch, Baton Rouge; Sagness Girouard, Broussard; Sunrise Planting Corporation, Franklin; and Vernon S. Brian, Pride.

From Texas: R. Santiso, Brownsville; Elton A. Gruver, Dayton; Leo Moreau, Dayton; Dr. and Mrs. Dorsey K. Barnes, Dallas; J. W. Wofford, Francitas; John L. Shaunty, Houston; Grover Westerman & Son, Kennard; Mrs. Eva S. Smith, Nacogdoches; and Howard Perkins, Port Arthur.

Thomas R. Yglesias, Mexico, D. F. Mexico; Reyes Garcia, Tampico, Mexico; Ricardo Saprissa Ayma, San Jose, Costa Rica.

From Colombia, S. A.: Carlos Sarmiento L., Tulua, Valle; Juan B. Villarreal R. y Hnos, Socorro; Cultivos Limitada, Medellin; Bernardo Ospina, Medellin; Ana R. de Davila e hijos, Santa Marta; Francisco Pinzon, Bogota; Dr. Manuel Gomez Rueda, Bogota; Heliodoro Bonilla Guzman, Bogota; Cesar Payan, Bogota; Jorge Lince J., Bogota; Garces Giraldo Hermanso Ltda., Cali; Fernando A. Garcia & Cia., Barranquilla; Hacienda Hato Viejo, Cali.

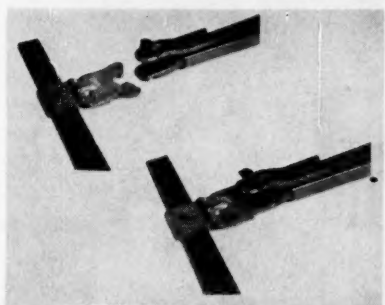
Housing Facilities Announced for American Angus Conference

THE promotion committee of the American Aberdeen-Angus Breeders' Association completed plans at a recent meeting in Chicago for the first American Aberdeen-Angus Conference, which will be held June 30 through July 2 at Oklahoma A & M College, Stillwater.

Inquiries about room reservations are already arriving at the association offices. Doyle Chambers, secretary-treasurer of the Oklahoma Aberdeen-Angus Association and a member of the animal husbandry department at Oklahoma A & M, assures visitors there will be plenty of room for all.

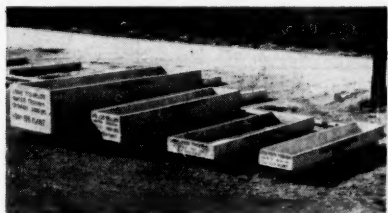
Besides a large number of dormitory rooms on the campus, there are a number of hotel and motel facilities. People desiring to attend the conference may obtain additional room information by writing to the national office.

NEW PRODUCTS FOR THE RANCH



NEW EVER-TITE TRACTOR HITCH

It's self locking, this improved, automatic coupler that every tractor owner needs to save time and tedious work attaching and detaching machines, wagons and other tractor-drawn implements. The hitch is bolted right onto the draw bar. Tractor is backed up to aligned tongue of wagon or implement and locked automatically in place. Equipped with a rope that operator can pull to detach the implement, without leaving the tractor seat. Hitch is designed by the Ever-Tite Manufacturing Co. of Davenport, Iowa, who will be glad to send circular.



NEW CONCRETE TROUGH

A new, "king-size" factory-precast lightweight concrete feed trough is now being placed on the market by The Geo. Rackle & Sons Co. of Houston, Texas. The trough is the same length and depth as the company's standard model, but is 15 inches wider and has 60 per cent greater capacity. The trough is made

**- DROWN
YOUR
CAMPFIRE**



**PREVENT
FOREST FIRES!**

from the basic raw material, Haydite lightweight aggregate and is rot and corrosion-proof. The product is reinforced with steel and requires no maintenance cost. It also is made without sharp corners, featuring slightly sloping inner surfaces which prevents feed from packing into cracks and corners.



SOIL THERMOMETER

Servis Equipment Co., Dallas, Texas, has placed a new soil thermometer on the market which was designed by a professor at Texas A&M College. The thermometer relates the temperature of the soil and is useful to farmers and ranchers in determining the proper time for planting various crops. The thermometers are available through Servis dealers at minimum cost.



NEW BRUSH RAKE ATTACHMENT

Servis Equipment Co., Dallas, Texas, has announced the manufacture of the Servis brush rake attachment to be used for pushing heavy brush and small trees up into windrows for burning. This speeds the work of clearing new land. The attachment can be used on a regular farm tractor by converting the regular Servis No. 7 Angledozer and will do a heavy job at a minimum of expense.

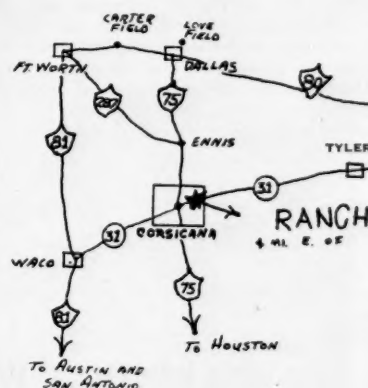
AUTOMATIC STOCK FEEDER

The Hobart Manufacturing Co., Hobart, Okla., is now producing a new type machine that will feed a given amount of feed to livestock automatically, without the necessity of the stockman being present. The machine is electrically controlled and will handle any small grain feed and meal. It may be regulated so as to feed at any time of the day or night in any predetermined amount.



If you need a top herd bull for your registered herd—we can supply you with quality unsurpassed in Brahmans the World-Over.

Visitors Welcome



The increased demand for top Brahman-British Crossbreed calves has greatly exceeded the supply. Many buyers are now demanding such crossbreed calves for Western Alfalfa grazing and feed lots and are willing to pay premium prices.



A new era of hybrid breeding is here. If you are not participating—it is costing you money. Change over now by using one of our low-price Brahman Bulls on your present herd.

Why not buy Brahmans of unexcelled quality—without paying more? We now have bulls and heifers ready for delivery.

BURKE BROS.

CORSICANA, TEXAS

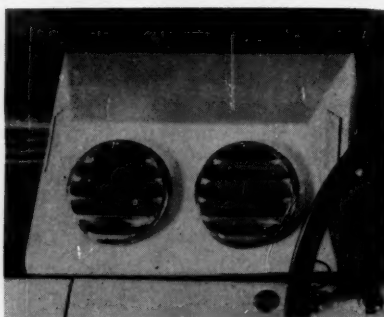


CUTTER WITH CHISEL PLOW

A new tool bar that can be attached to rotary cutters manufactured by E. L. Caldwell & Sons, Corpus Christi, Texas, permits the cutting of row crop residue and chiseling of the soil in one operation. A fertilizer attachment may be added to make use of a three-way operation. The attachment to the cutter, which is used exclusively in the Southwest as a brush cutter, is designed for cultivated land.

The Cattleman is the best "all-information" magazine the cattlemen can get.—Sam W. Martin, Dallas.

I enjoy The Cattleman very much. It is well worth the price.—Warren Kuykendall.—Cherokee, Texas.



NEW TRUCK AIR CONDITIONER

A new low-cost truck air-conditioner is now being marketed by Hobbs Manufacturing Co., Fort Worth, Texas. The unit, which is manufactured by Frigikar Corp. of Dallas, Texas, is designed to keep truck drivers cool at a cost of about half of regular car air conditioners. The unit is easily installed and transferrable from one truck to another. It uses a liquid refrigerant and can reduce temperatures from 100 to the mid-seventies in a very short time.

Thanks for your wonderful magazine. The Cattleman is the one magazine I can always read and get something from it, regardless of how I feel. When we received the news from the government that our son had been killed, it was the only magazine I could read and stay with.—Jewell Ditmars, Muskogee, Okla.

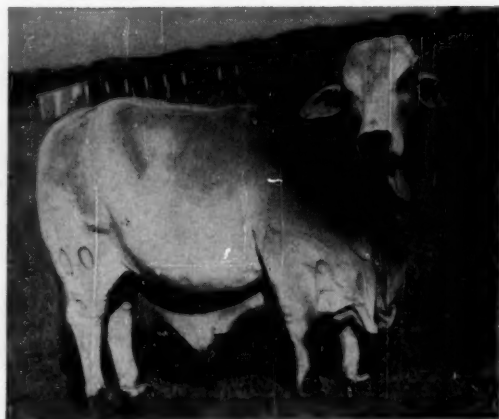


MOLDED PLASTIC TOYS

A new line of molded plastic toys is now being manufactured by the Modern Toy Co., Hollywood, California. To introduce the new line the company is offering 100 toy soldiers, including cannon and airplanes. The toys are completely assembled and designed to scale, measuring up to 4½ inches.

I read The Cattleman and enjoy it very much. Would like to have you send a year's subscription to my uncle, J. J. Schmitz, Anselmo, Nebr. —Harley Schmitz, Denver, Colo.

BRAHMANS THAT WILL MAKE MONEY . . . FOR YOU!



RESOTO MANSO, JR., Sire of Champions

Resoto Manso, Jr. (pictured) has sired many champions at leading shows in the Southwest. We are now offering for sale a select group of two-year-old heifers by this sire of champions—at realistic prices—they will make money for you!

GARRETT BRAHMAN RANCH
DANBURY, TEXAS

J. T. (Jack) Garrett, Owner

Phone Angleton 6387

Red Brahmans . . .

Tops for Crossbreeding

Tops for Milk Production



FOR SALE

Bulls of Breeding Age That Have Lots
Of Quality and Are Ready
To Go To Work

Dr. T. M. Neal

WHARTON, TEXAS

Breeder of Red Brahms Since 1920

Five Thousand Brahmans to Venezuela

THE South American Republic of Venezuela is in the process of purchasing 5,000 American Brahman cattle, according to a representative of the Minister of Agriculture of that country.

Dr. Hector de Armas, personal representative of the Minister of Agriculture of Venezuela, stated here that he had completed the purchase and delivery of over 1,300 registered American Brahman cattle, and that he will complete the 5,000 head purchase as soon as additional numbers become available. The cattle are resold to the ranchers of Venezuela at the cost plus cost of shipping and handling in a vast upgrade improvement program launched by the government.

The animals purchased to date have been bulls 18 months to three years of age, although some outstanding bull calves and heifers of less than a year of age have been purchased by Dr. de Armas.

In addition to selecting, buying and delivering the cattle the Minister of Agriculture also provides ranchers with needed credit, modern equipment and technical know-how in an effort to build up the country's cattle industry. Operating from a revolving fund the Minister plans to continue to purchase Brahman cattle in the United States each year for several years to come, Dr. de Armas said.

Dr. de Armas first came to the United States in 1950 as a graduate student in genetics at Texas A & M College, College Station. He wrote his Master's Thesis on the difference in the hair coats of Brahman cattle brought about by climatic variation. He discovered that Brahman cattle in Northeast Oklahoma produced winter hair coats 60 per cent longer and 14 per cent thicker than did Brahman cattle of the same breeding in South Texas, thus demonstrating the ability or capacity of the breed to adapt itself to colder climates.

This South American country is covered with a bountiful supply of tall grass which flourishes under high rainfall conditions the year round. With American Brahman cattle—with their ability to withstand extremely high temperatures without suffering and to withstand the many ravaging diseases present including paraplasmiasis or tick fever—Venezuela can become a major producer and exporter of beef, Dr. de Armas believes. Presently there is a shortage of beef in that nation.

The plan of the Minister of Agriculture is to upgrade from the "Criolla" or native Spanish type cattle, where they are present, by using high quality American Brahman beef bulls. There are many thousands of square miles yet unstocked with cattle, however, making room for a tremendous expansion in the industry.

Besides the work of the government large cattle companies are acting on

their own bringing in cattle from the United States.

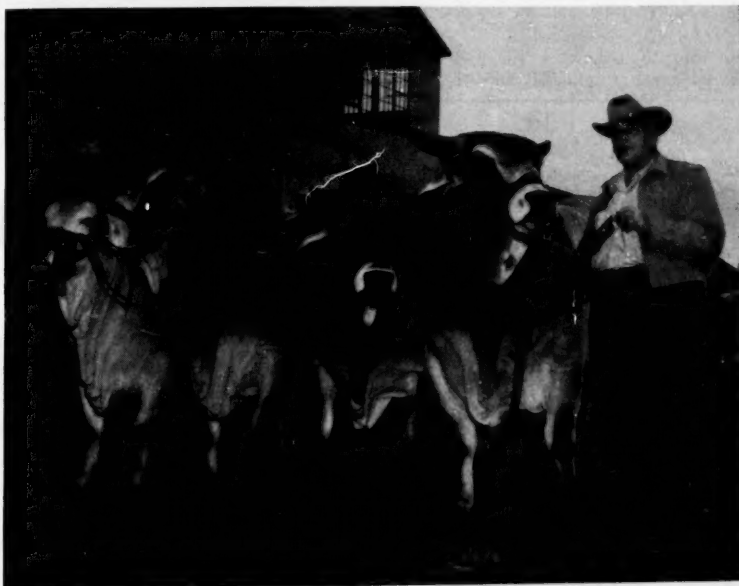
Hato "Vergarena" at Ciudad Bolivar, headed by Texan Richard Wright, purchased 300 registered American Brahman and 3,000 grade Brahman in the United States during 1954. These cattle were transported by the company's own ships. Additional purchases are contemplated by this company.

Cubes for Fattening Cattle

YEARLING steers were fed 168 days on cubes containing 52 per cent and 40 per cent concentrates at the New Mexico Agricultural Experiment Station in 1954. The cubes were self-fed, and they were compared with a

ration of ground maize, cottonseed meal, alfalfa hay, and corn silage, hand-fed twice a day.

Although the hand-fed lot did not make quite as much gain yield as high a dressing percentage, or have as much finish as the cattle which were fed cubes, the cost of gain was lower because of the cost of making the cubes. As in previous years, some trouble was experienced with bloat in the cube-fed lots. This trouble was less severe in the lot receiving cubes containing 40 per cent concentrate. These cattle also made faster gains at a lower cost and returned greater profits. As a result the cubes containing 52 per cent concentrates will not be used next year, and they will be replaced by cubes with 30 per cent concentrates.



FIRST PLACE GET OF SIRE
South Louisiana Midwinter Fair, 1955

From the Ranch of

G. L. P A R E T

Breeders of American Type Brahman Cattle

LAKE CHARLES, LA.

P.O. Box 531

Telephone: Hemlock 9-5531

Caraway Shorthorn Sale

SUMMARY

15 Bulls	\$ 5,265; Avg.	\$351
51 Females	17,365; Avg.	341
66 Head	22,630; Avg.	343

GOLDEN OAK FARMS, owned by C. M. Caraway & Sons, DeLeon, Texas, held their production sale at Stephenville, Texas April 26 with 66 head selling for an average of \$343.

Topping the sale at \$1,035 and going to Julia Reed, Meridian, Texas was Prince Peter Mason 11th, a February, 1953 son of Prince Peter Mason. This good herd bull prospect is out of a dam by Calrossie Supreme. The second top selling bull, Prince Peter Mason 13th, a March, 1953 son of Prince Peter Mason, went on a bid of \$650 to Chester Mitchell, Lockney, Texas. Selling to Mrs. L. P. Reed, Meridian for \$590 was Golden Oak Leader 140th, a July, 1953 son of Golden Oak Leader 37th.

The female top was reached when Edellyn Farms, Anoka, Ill. bid \$1,000 to

get Golden Oak Gloster 5th, a September, 1952 daughter of Golden Oak Leader 37th out of a dam by Prince Peter. Theodore Nehring, Lorena, Texas bid \$605 to get Carol Ann 8th, a December, 1951 daughter of Goldfinder's Pride with a bull calf at side by Calrossie Welcome. Selling to C. D. Bynum, Eldorado, Okla. for \$550 was Carol Ann 10th, a July, 1953 daughter of Westmorland Prince.

C. D. Swaffar was the auctioneer.

Button Clover Shows Promise in East Texas

ALUXURIANT five-acre test planting of button clover on the sandy soils of East Texas near Henderson is showing bright promise as a new forage, silage and hay crop for that region, John Alford has advised Texas Research Foundation, which supplied seed for the planting. Alford has the button clover in a mixture of crimson, Persian and white Dutch clovers, oats and hairy

vetch on a field of his 400-acre dairy farm. Seeded last October 15, the button clover now is the dominant plant in the mixture, making a dense, tangled mat of succulent growth in the upright crimson clover and oats. "We've had 50 head of Jerseys on the button clover off and on since the first of the year," Alford said. "We pulled them off the stand on April 1, after they had eaten it to the ground. About two weeks later we got a good rain, and you could just see that clover growing." Alford's farm manager, H. W. Burd, applied 400 pounds of 5-10-5 to the acre before he seeded the clover. "At planting time, I ran a tiller over the field and then planted the button clover at the rate of 5 pounds to the acre. I left a few white Dutch seed that were already in the seeder and planted them with the clover. The rest of the five-acre stand is all volunteer. Crimson clover has been there six years." Dr. J. H. Davis, the Foundation's forage crops agronomist, sees a significant trend in

FIGURE 4 RANCH PRODUCTION SALE

BRAHMAN CATTLE

- 10 extra choice 2-year-old registered heifers, open. Price \$500 each.
- 25 young registered Brahman cows now dropping calves sired by a Charollaise bull. Price \$400 each, CALVES FREE. This is a real bargain and opportunity.
- Choice young registered Brahman bulls 1 to 2 years old. Price \$500 up.

CHARBRAY CATTLE

- 10 Choice young Charollaise-Brahman cows, ages 3 to 6 years old, ranging from 1/2 Charollaise to 3/4 Charollaise. 8 calves on the ground which are from 3/4 Charollaise to 7/8 Charollaise. Price for the group \$7500, CALVES FREE.
- 20 two-year-old Charbray bulls ranging from 3/4 Charollaise to 7/8 Charollaise. Price \$750 to \$1500.

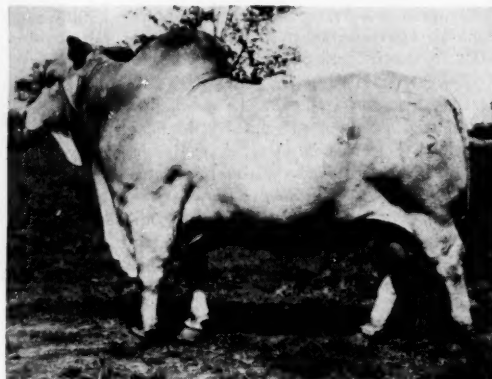
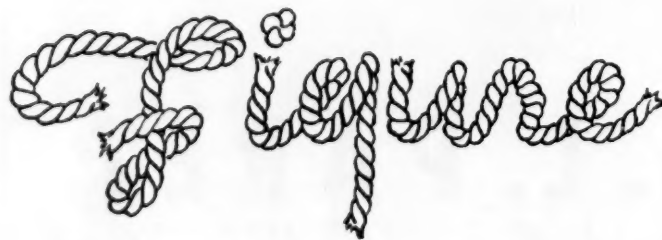


FIGURE 4 RANCH No. 192. ABBA No. 60626
Son of our famous FIGURE 4 No. 24



C. M. FROST, Owner
Esperson Building
Houston 2, Texas



Remember

Figure 4 Ranch is Noted for Quality!



the Henderson planting. "If Alford's tests prove that button clover can produce hay and forage as prolifically on the acid soils of East Texas as it does on the high-lime soils of the blacklands, the clover's potential worth to the cattleman will be more than doubled," he said. Alford's button clover planting is the same strain that the Foundation released in 1952-53. Since that year it has spread to more than 100,000 blackland acres in North and Northeast Texas. The clover is closely related to bur. Its seed, however, are produced in flat, button-like coils rather than spiny burs. It reseeds well, even under rather heavy grazing.

Cattle Production With and Without Worms

A SERIES of meetings to be held in June by the Grasselli Chemicals Department of the E. I. DuPont De Nemours Co. will call to the attention of the rancher the economic advantages of parasite control in cattle production.

The subject to be discussed at the meetings, which will be held in eight Texas cities, will be "Cattle Production With and Without Worms." Dr. D. C. Boughton, technical service representative of the animal industry section of the Grasselli Chemicals Department of the company from Wilmington, Delaware, will attend the June 1 meeting at Fort Worth and will address the group on the how and why of parasite control. R. J. Bacon, field sales representative, will discuss economic advantages from parasite control. A new film entitled, "The New Story of Phenothiazine," will also be shown.

Meetings scheduled are as follows:

- June 1, Fort Worth, Texas Hotel, 2 p. m.
- June 2, Tyler, Cotton Belt RR Auditorium, 7:30 p. m.
- June 3, Wichita Falls, Kemp Hotel, 2:30 p. m.
- June 7, Amarillo, time and place to be announced.
- June 9, San Antonio, Gunter Hotel, 9 a. m.
- June 10, Victoria, Totahs Restaurant, 3 p. m.
- June 13, Bay City, Service Center, 8 p. m.
- June 14, Houston, Houston Natural Gas Hospitality House, 7:30 p. m.

C. W. Moore, manager of Ranch and Farm operations for Ralph E. Fair, has announced the employment of James F. Grote as manager of Fair Oaks Ranch, Boerne, Texas. Grote, of a well known ranching family in Mason, has been manager of the Thornton Hereford Ranch, now Turner and Thornton, of Boerne, for the last two years. Fair Oaks runs 300 registered Hereford cows. Chief herd sire now in service is Hillcrest Larry 25th, for which Fair Oaks paid the record price of \$100,000 in 1954. Bloodlines include WHR, Anxiety 4th, Aazlett, Vagabond Mischief, Silver Domino, and Zato Heir.



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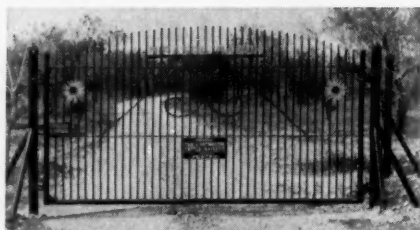
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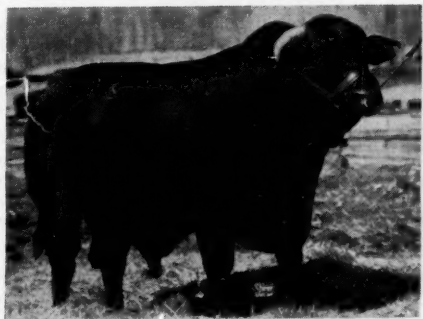
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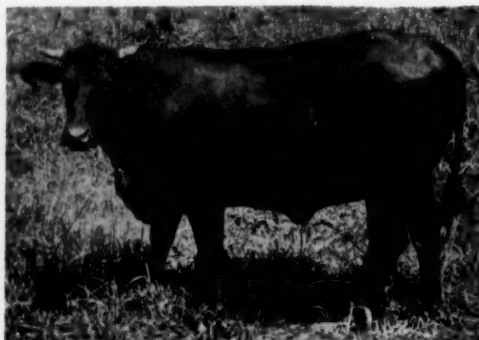
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changing over,
or accelerating

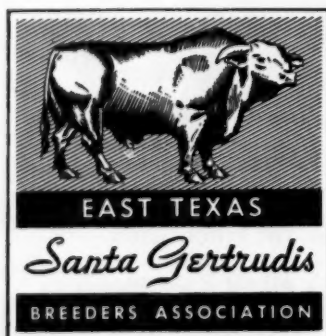


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Address Correspondence to George Becker, Jr., Sec.-Treas., Kaufman, Texas

Santa Gertrudis breeders, you can reach a large group of prospective buyers by using this special section to give them your message.

Relationships Among Traits In Beef Cattle

THE relationships that exist between different traits and between the same trait at different times is of considerable interest in the selection of beef cattle according to the 65th Annual Report, New Mexico Agricultural Experiment Station, 1954. A study of weights, gains, and grades of range cows and their calves revealed that the three-year-old heifers which were largest as long yearlings or those which had gained the most weight from weaning to long yearlings produced calves that were the heaviest at weaning and as long yearlings. Their calves also made the greater yearling gain. Grades of the dams at weaning and yearling ages were positively related to grades of their calves. This means that selection for either size or grade will be effective.

The relationship between weights or gain of the dam and grade of the offspring were negative. Selection for compact type in range cattle will tend to result in smaller, slower gaining cattle.

Feedlot gain was correlated with final feedlot grade and with carcass grade of steers, but not with weaning grade or yearling grade. Yearling gains on the range were positively related to feedlot gain.

Nutritious Meat

SCIENCE has shown beef, veal, pork and lamb to be rich sources of high quality protein, minerals and vitamins for people of all ages. One of the more recent findings is that specially prepared meat is extremely valuable in the formulas of infants who are allergic to milk. The nutritional results have been found to be identical with those which would be provided by an equivalent amount of milk.

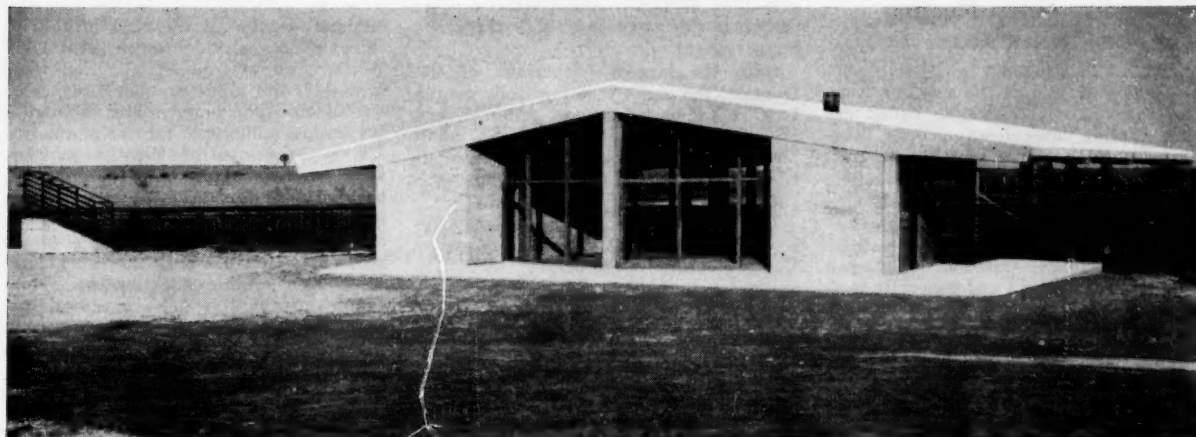
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Cowboy Camp Meeting

By DAYTON KELLEY

PERHAPS the most impressive religious affairs of the frontier were the camp meetings, so called because families came in wagons and literally camped about the meeting grounds for several days of religious services. Sometimes called "protracted meetings" and "revivals" depending upon the denomination, these meetings were usually held in the summer time out in the open or under brush arbors and generally lasted from ten to fourteen days with a

preaching service in the afternoon, supper on the grounds and another preaching service at night.

Once the largest gatherings of the frontier, the camp meeting drew people from a radius of several miles. Every area and every church had its camp meeting and almost every family attended at least one of these gatherings each year.

One of the most colorful of these early-day religious affairs was the "Cowboy Camp Meeting" first held in 1890 deep in the heart of the Davis Mountain ranch country near the town of Fort Davis.

Here Rev. W. B. Bloys, a Presbyterian minister, conducted the first of the inspired church services which drew West Texas cowboys, range folks and their families from miles around. They came on horseback, in buggies and in wagons for the preaching and for one of the few social gatherings of their day. They slept in tents or on the ground during the three or four days of the meeting, attending the preaching and visiting between times.

Every year since then the ranch folks have been coming back to the "Bloys Camp Meeting," which is the official name of the annual affair, given in honor of the founder, Rev. W. B. Bloys. Drawing attractions are the non-denominational services conducted by preachers of the different faiths, the fellowship and visitation in between times and the feeling of "getting away from it all" stay at the camping ground.

While attending the religious services in the large, well-ventilated auditorium, today's campers live in specially built huts and cabins located in the immediate area. A centrally located mess hall, a large open-air building with row upon row of tables, dispenses meals three times daily. Tents and trailer houses are still to be found on the camping grounds as ranch people and city folks alike congregate here each August.

A large white granite shaft perpetuates the memory of the founder of the annual meeting.

IN MEMORY OF OUR
BELOVED BROTHER DR. W. D.
BLOYS, FOUNDER AND
FOR 27 YEARS A FAITHFUL
LEADER OF THIS CAMP
MEETING. ERECTED BY
THE CAMP MEETING ASSOCIATION

The "Cowboy Camp Meeting" proved to be popular with the range folks of the area for two reasons. First of all there were few if any rural churches in the sparsely settled land to furnish religious guidance and spiritual food for the early settlers. They looked forward with anticipation to the fall of the year when the folks would gather for the annual camp meeting.

Secondly, there were few other social gatherings in the area and the camp meeting provided an opportunity for visiting, chatting and getting acquainted with the neighboring families. Sometimes it was 30 or 40 miles to the nearest neighbor's house here in the ranch country and visits were few and far between in the other seasons of the year. There was always much to talk about once the families began to gather.

The "protracted meetings" from which the "Cowboy Camp Meeting" originated were brought into Texas from the Deep South by the early settlers of the 1830-1860 period. There have been many changes over the years, but here in the Davis Mountain meeting, the quality of the preaching and fellowship is just as good as it ever was. To the traditional "preaching twice a day" has been added a program of Bible lessons, singing and recreation for the young people.

In the old days people came in big,



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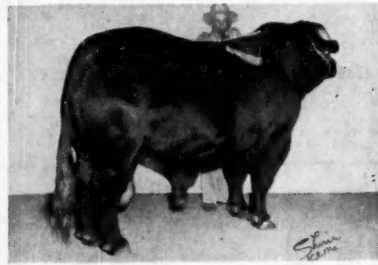
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flat-bottomed wagons, in buggies or on horseback. Some left home several days before hand, camping along the way. Now they come in automobiles that make the trip in a matter of a few hours.

But much of the past lingers as tents are pitched under the spreading oak trees, house trailers are parked under nearby shades and families move into huts or cabins. Watermelon and ice cream continue to be the favorites when campers get together with each other after the evening services.

For over 60 years, the "Cowboy Camp Meeting" has carried on the traditions of the early day camp meetings which gave our forefathers the needed inspiration to renew their faith, become better citizens and prepare themselves for the rigors and hardships of frontier life.

Beef Carcasses Improved By Adding Sugar to Ration

BEEF cattle gained more, dressed higher and yielded heavier livers when getting common sugar (sucrose) in their rations prior to slaughter. This was demonstrated in tests by the Utah Agricultural Experiment Station with more than 1,000 steers and heifers purchased by Armour and Company from 29 producers in the vicinity of the Denver Union Stock Yards.

Weighing an average of 900 pounds, the cattle were divided at random into four lots. The first group received the usual stockyard ration of prairie or meadow hay and the second group had the holding ration regularly used by Armour and Company, consisting of 49 per cent sun-cured ground alfalfa, 20 per cent cracked corn, 20 per cent rolled barley, 10 per cent molasses and 1 per cent salt. The third lot was fed this Armour holding ration plus 1 pound of sucrose per animal daily, while the fourth lot got the holding ration and 2 pounds of sucrose. These rations were fed for varying periods, ranging from three to seven days prior to slaughter.

Largest gains, averaging 3.8 pounds daily, were made by Lot 3 which received the holding ration and one pound of sucrose per head daily, but the lot getting 2 pounds of sucrose came close, with 3.7 pounds. The lot kept on the holding ration gained 2.3 pounds, and the one on the stockyard ration of prairie or meadow hay made an average daily gain of only .9 pound.

The lots of cattle receiving sucrose consumed less feed per pound of gain than those getting either the holding or the stockyards rations. Highest dressing yields were obtained from animals fed 1 pound of sucrose for three days before slaughter. The addition of 1 or 2 pounds of sucrose increased the average weight of liver by 1 and 1.1 pounds, respectively, compared with animals on the stockyards ration. The cooked livers from the sucrose-fed animals were preferred for their tenderness and flavor.

The greater gains and carcass yields more than offset the extra cost of providing sucrose.

Effect of Inbreeding on Range Calves

THE effect of mild inbreeding on the weight and grade of range calves at weaning was studied in tests at the New Mexico Agricultural Experiment Station. The data were from the experimental range herd which had been closed to outside blood for 12 years. The range in degree of inbreeding was from zero to 25 per cent with an average of approximately 7 per cent.

Inbreeding had no appreciable effect on grade but was found to adversely

affect weaning weight. Calves which were not inbred were heavier on the average than inbred calves. For each 1 per cent increase in inbreeding it was estimated that weaning weight was reduced about $\frac{3}{4}$ pound. Calves produced by the mating of half sibs (12½ per cent inbred) would be expected to weigh 8 to 10 pounds less than calves that were not inbred. Similarly, calves resulting from full sib matings (25 per cent inbred) would be expected to weigh 16 to 20 pounds less than non-inbred calves.

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- 8 good Charollaise bulls. Ready for service soon.

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National Beef Council Formed

THE nation's beef cattle producers formally established a National Beef Council at Denver April 25, which will offer additional research and promotion for beef products.

More than 80 representatives of state and regional groups of range cattlemen and feedlot operators at a special meeting in Denver pledged support of the council which has been under consideration for some time.

The council will be a federation of state beef promotion groups, major livestock and farm organizations and other units of the beef industry. Its sole purpose, as outlined in a constitution okayed by the conferees, is to help increase the

economic sale and consumption of beef through research, education, promotion and merchandising assistance. The council will coordinate the activities of the many state and national groups helping to move history's largest beef supply and will assist in formation of other state beef councils. It will augment, not supplant, promotion work of existing agencies.

Initial finances for the non-profit council will come from the promotion groups, with plans under consideration to secure the long-range financial support of all beef producers. Among the first duties of a temporary slate of officers is to establish an office, probably in Chicago, and to employ a permanent manager.

The meeting followed several confer-

ences among the producer and feeder groups and representatives of the processing, marketing and retailing segments of the beef industry. The entire "beef team" has pledged full cooperation to the council.

Elected temporary president was Jay Taylor, president of the American National Cattlemen's Association. The Amarillo, Texas, rancher is considered an outstanding figure in beef promotion.

Among other officers chosen to serve until the first annual meeting of the council in several months were Edwin Karlen, Columbia, S. D., first vice president, and C. T. "Tad" Sanders, Billings, Mont., secretary. Karlen is head of the South Dakota Beef Council and Sanders is secretary of the Montana Beef Council.

Seven vice presidents, representing districts of the nation, were named on the temporary slate. They, and their affiliations, are Carl L. Garrison, San Francisco, Calif.; representing the California Beef Industry Council; Lars Prestrud, Denver, Colorado Cattlemen's Assn.; Leo J. Welder, Victoria, Texas, Texas Beef Council.

O. C. Swackhamer, Tarkio, Mo., Corn Belt Livestock Feeders Assn.; Mark Knoop, Troy, Ohio, Ohio Cattle Feeders Assn.; Donald Bartlett, Como, Miss., Mississippi Cattlemen's Assn.; and Harold M. Stanley, Skaneateles, N. Y., a board member of the American Dairy Assn.


Temporary directors-at-large are John M. Marble, Deeth, Nev.; Paul Swaffar, Kansas City, Mo., American Hereford Assn.; R. J. Riddell, Peoria, Ill., National Live Stock Exchange; Carl A. Neumann, Chicago, Ill., National Live Stock and Meat Board; and Frank Richards, Chicago, American Aberdeen-Angus Breeders Assn.

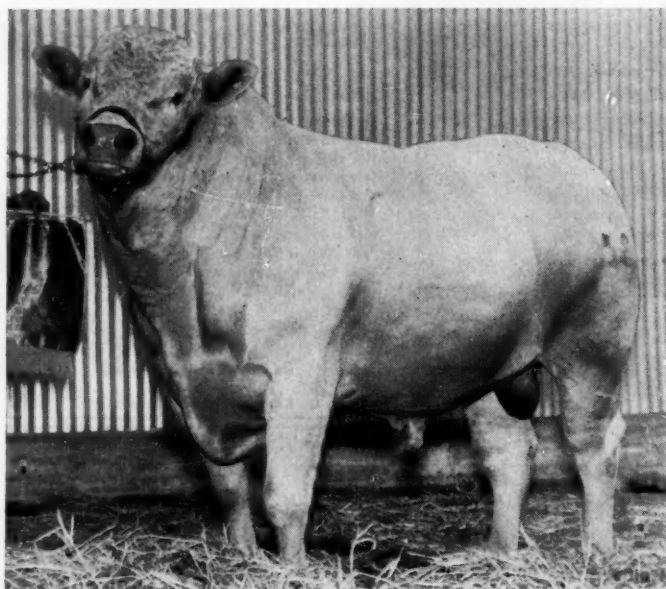
Lyle Liggett, Denver, director of information for the American National Cattlemen's Assn., will serve as temporary manager.

Taylor said the formation of the National Beef Council represented "another effort by cattlemen to solve their own problems while helping the nation enjoy the abundance of beef." He emphasized that the council will concentrate on helping homemakers get the most value and benefit from all of the more than 50 beef cuts available to them.

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Our Hidalgo County Ranch is specializing in the Charolaise animal. The Fort Bend County Ranch is specializing in the Charbray animal.

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Oklahoma Shorthorn Breeders Hold Annual Meeting

CLIFF MILLIGAN, Hinton, was elected president of the Oklahoma Shorthorn Breeders Association at the annual meeting held at Oklahoma City March 15. Bart Rayburn, Bradley, was elected vice-president and Jim Whatley, Oklahoma A&M College, secretary-treasurer.

Directors include: Roy Rutledge, Woodward; R. A. Collier, Fletcher; Clyde Campbell, Helene; G. E. Evans, Harrah; Cleo Dupy, Lamont; and Charles Spragins, Duke.

American Charolaise and Charbray Breeders

Charbray Cattle to Be In Movies

CATTLE registered in the American Charbray Breeders Association will make their debut in the movies within the next few months.

Though the huge beef animals will not have "top billing," they will be shown in a Warner Brothers film made in Hollywood.

Leo W. Lynch, of the Warner Brothers property department, requested the Houston headquarters of the American Charbray Breeders Association to send large pictures of these prize cattle to Hollywood for use in the background of the offices at a ranch headquarters in the filming of Edna Ferber's story, "Giant."

Photos of 12 American Charbray Breeders Association-registered cattle have been sent for the film.

Fifty-Four Charbray Calves Sell for \$50,000

THE Rue Ranch, of Houston, has sold 54 Charbray calves to Andrew Askew for \$50,000, V. L. Evans and A. E. (Snake) Bailey, owners of ranch, reported.

The $\frac{3}{4}$ to $\frac{7}{8}$ calves averaged about two months in age and were from some of the American Charbray Breeders Association registered cows recently purchased by Rue Ranch from the Fred Turner Ranch, of Weslaco, Texas.

The bull and heifer calves brought an average of close to \$1,000 a head.

I enjoy The Cattleman very much and have never missed a delivery during the years I have been a subscriber.—Geo. L. Fordtran, San Francisco, Calif.

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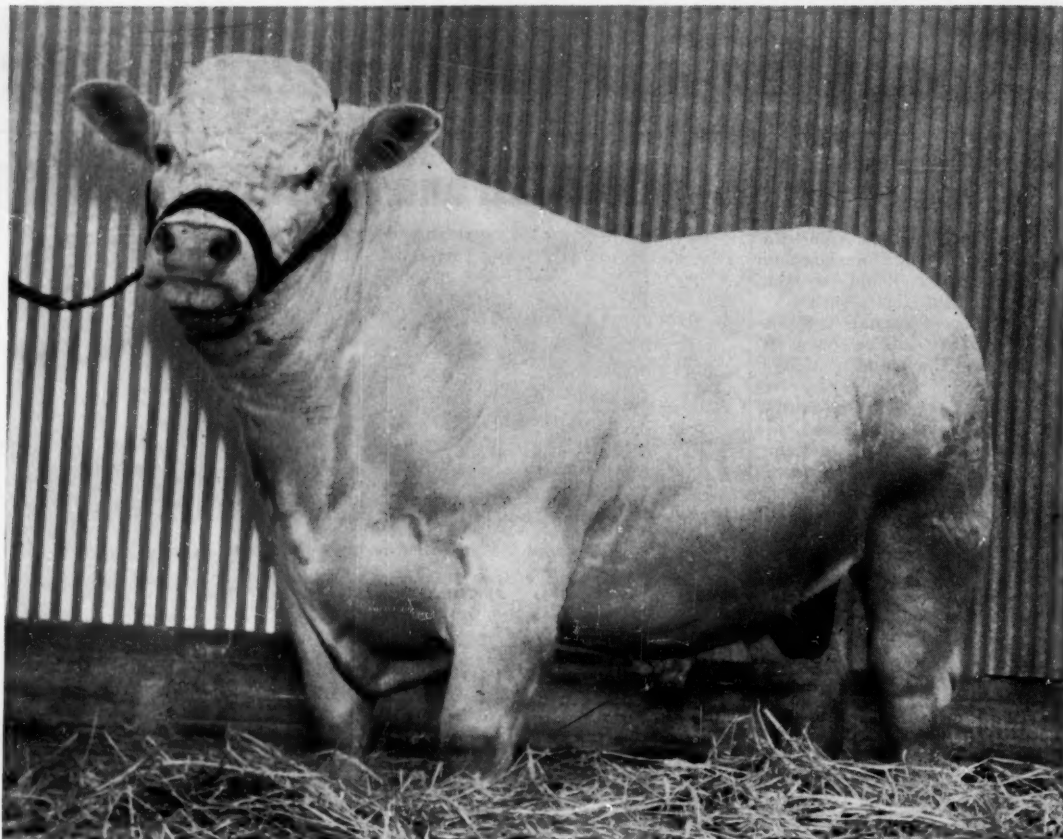
Organization of Cattlemen

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in the Interest of Cattlemen

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Champion Bull and Supreme Champion, Houston Fat Stock Show, 1955

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Champion Charbray Bull, Houston Fat Stock Show, 1955

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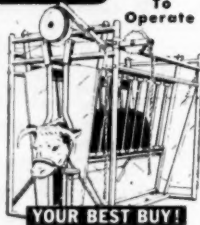
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All Progressive Ranchmen Read
The Cattleman.

The Lost Herd

Out of a Total of 750 Cattle on Trail Drive Only 50 Head Are Rounded Up After Herd Stampedes During Severe Electrical Storm in West Texas

By HENRY C. HARDING

As told to Guy Harding Goodman and Wilda Warren

(Note: The following is taken from "Tales of the Range" being the experiences of Henry C. Harding, originally written by the late Guy Harding Goodman and edited by Wilda Warren. Copyright by Henry C. Harding.)

I WAS working for Sug Robertson on a ranch he owned on Silver Creek, south of Colorado, Texas. That spring we had contracted 1,200 two-year-old steers to the "C" outfit, whose ranch was about twenty miles north of Midland. The cattle were to be trailed overland, counted, branded with the "C" brand and delivered at the ranch the first of April, after which settlement would be made and the cattle paid for.

We started the herd early in March and were getting along fine until one night we struck camp about seven miles west of Big Spring and about one mile south of the T. & P. Railroad. The barbed wire fences were infesting the country by that time and were a menace to cowpunchers, mustangs, cattle, antelope and, in fact, every living thing that had roamed the free and open range at will. But I started out to tell you about a cattle stampede.

Well, just about sunset, we grazed the cattle quietly onto the bed-ground, continually riding around and around the herd, gradually shaping them into circular formation until they commenced lying down, chewing their cuds, and seemed perfectly at peace with the world.

After supper the first guard took the herd, then the second and then the third. I was to stand with the fourth and last guard. The moon was full, the cattle all lying peacefully sleeping, seemingly not a breath of air stirring, when, without a split second's notice came that familiar voo-oo-ooo sound—like the noise of thunder vibrating the whole earth. The stampede was on. I ran to my horse, barefooted and in my night clothes, mounted and tore out for the herd. I met the head of the herd. One of the boys was swinging them into a mill; and they milled and milled, like a whirlpool in a mad stream. Almost as suddenly as they had stampeded, they quieted down again, as still as death. We knew what that meant, so we commenced singing and whistling to them in quiet tones, any tune or song we had ever known, but to no avail. It was only a short time until "voo-oo-ooo" and away they went again.

One of the hands, running in the lead, hit a four-wire fence, throwing and cutting his horse and breaking his own collar-bone. The cattle hit the fence about the same time. They tore it to "smithereens" and broke into three different bunches. I caught one lot of about 500

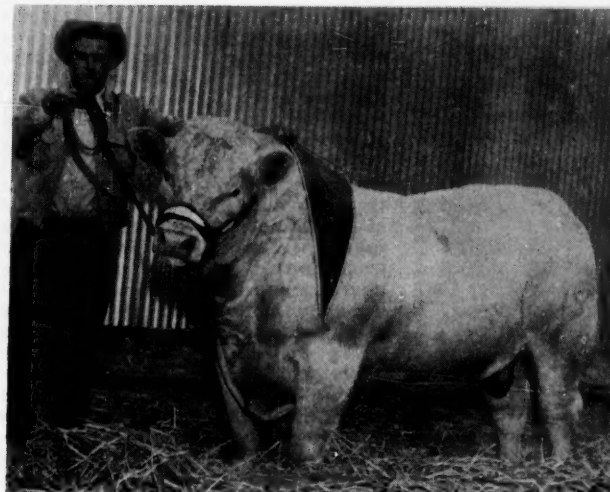
and played along in front, trying to stop them, but I think they were about the worst scared bunch of cattle I ever tried to handle. I would get them stopped for a spell and then they would flush and go again.

When daylight came, I found myself about seven miles from camp and raw, tired and worn out, but I had my part of the cattle and it turned out that I had caught the lead end of the herd, which is always the wildest and fastest. We got them all together that day and moved on, without any further incident out of the ordinary, and delivered them to the C Ranch.

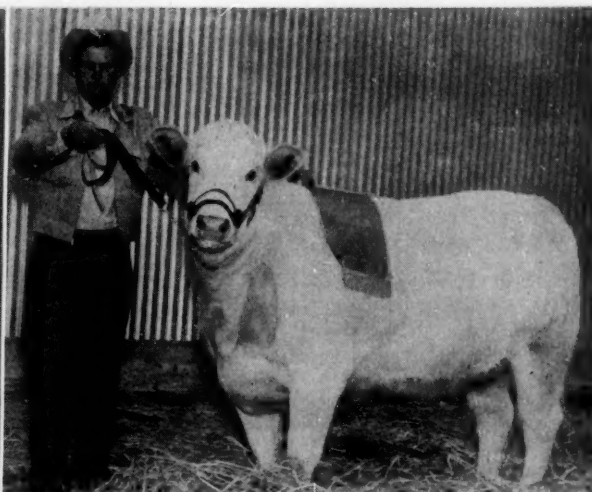
We then proceeded northwest into eastern New Mexico where Mr. Robertson had wintered 750 stock cattle and had contracted them to the XIT outfit, the Capitol Freehold Land & Cattle Company, to be delivered at the Yellow House Canyon, the headquarters at that time, of their three million acre ranch. That was the year the XIT began to stock the range it had acquired from the State of Texas in payment for the building of the Capitol at Austin. I think the outfit bought and received some 80,000 cattle that year.

We traveled by easy stages with our chuck outfit, saddle horses, etc., on up country to what was known as Old Boar's Nest, where we proceeded to gather the herd. Mr. Robertson became ill and had to be sent home in an old hack. He appointed his brother-in-law, Willie Cook, as foreman. We gathered the cattle and started with them. We were working short-handed. We came east with them to Ward's Wells, not far from the present town of Seminole, Texas. There we laid over one day and watered and grazed the cattle preparatory to a long, dry drive across the plains, sand hills and, at that time, desolate desert, devoid of water for large herds of cattle. Late in the afternoon we moved the cattle out from the wells where we had been holding them for their last drink before starting on their long trail, moving them along quietly and slowly until a little before midnight, when we bedded them down and stood guard around them until morning.

We then put them on the trail and drove them until the middle of the afternoon, when we reached Cedar Lake and the cattle were so hot and tired that they wouldn't travel any more. It was a large alkali lake and there was no fresh water in it, except a little trickling into it from a spring. We got water for our chuckwagon barrel and watered our saddle horses by buckets, but there was

**LUCKY**

Reserve champion Charbray bull at the first National Charbray Show, held at Houston during February.

**MISS MERIDITH**

Grand champion Charbray female at the first National Charbray Show at Houston last February. Ed Wright at halter.

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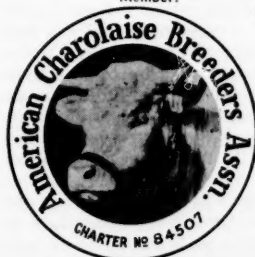
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For Additional Information, Write, Wire, Phone or Visit

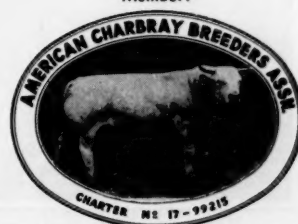
Bar H Bar Ranch

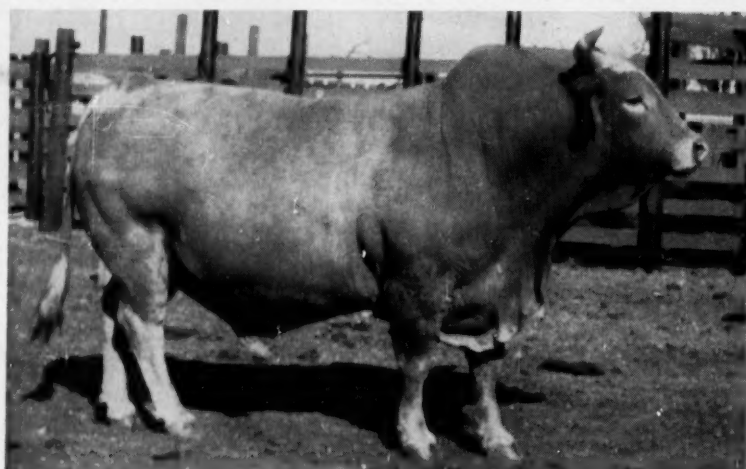
R. C. (Bob) MYRES, Owner

P. O. BOX 607 — PHONE 368-J

HAMILTON, TEXAS

Member:





Two of the outstanding bulls of the Beefmaster breed have changed homes. Our herd bull, "Mr. Bigger," has gone to Bolland Bros., Bishop, Texas, in exchange for their "Mr. Poppa," pictured above.

We have several of this bull's daughters and granddaughters and are using two of his sons on our "Polled herd." We will sell a number of bull and heifer yearlings and a few cows. All these cattle are suitable for foundation herds.

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no water for the cattle. We drifted the herd out from there several miles and struck camp for the night. The cattle were too thirsty to graze and, even by that time, some of them were becoming hollow-eyed and suffering from the need of water.

The next morning the air was cool, so we threw the herd on the trail and let them string out. From the point or lead of the herd to the rear, or drags, as we called them, was at least a mile and a half. We made good time until about the noon hour, when the herd entirely balked and refused to move. They balled up in a compact knot and just stood there in the hot sun, suffering. When cattle reach that stage, they seem to give up and just take the worst that comes, silent and stoical. We ate dinner and then the boss left me in charge of the herd with two other boys to help. He took one man and the saddle horses, cook and chuckwagon, and started for Double Lakes, about fifteen miles away, not far from the present site of Tahoka. He was to camp the wagon there, change to fresh mounts after the horses were all watered, and come back to help us move the herd in the cool of the evening.

Well, everybody who has had the experience knows that a disorganized outfit accomplishes but little and we were that, in the worst sense of the word. The old cook rushed his team in the hot sun to the point of exhaustion. We had no other horses broken to harness. They unharnessed the team, turned them loose to follow and put the cook on another horse, bareback, and took him along with them, leaving the chuckwagon on the "lone prairie-ee." We held the cattle on the spot until just before sundown, when a little breeze sprang up from the east and cooled the air. We aroused the cattle and got them started on our northerly course; but thirsty cattle invariably face the wind. Their natural sense of smell carries farther than that of man and the moisture in the air attracts them. Consequently, they were inclined to veer to the east, but one experienced in pointing a herd can handle a very large one by maneuvering the lead cattle; so I kept them on the course and they strung out into trail formation.

We had a bright moon and everything seemed to be going good until a thunder storm blew up and it became dark and cloudy. I stopped the lead cattle and held them until the drags came up, and just about that time the storm developed into a severe electrical display. It showered enough to put a little water on the ground. The cattle, being so thirsty, went wild over that water, but there wasn't enough of it for them to get even a sup. They scattered and ran in every direction, the three of us trying to hold them together until we ran our horses down to where they couldn't even strike a trot. It grew so dark that we couldn't see, except when the lightning would flash, and then we would see cattle scattered everywhere, but our poor horses couldn't go another step toward rounding them in.

So we hollered back and forth to each other until we got together. Not knowing where we were, and it being too

cloudy to see a star, moon or anything to mark our course we had to submit to the inevitable; for we knew that the cattle would be far, far from there by morning if that wind continued to blow, and it surely did. Next morning some of those cattle were seen at least thirty miles from there. We got our outfit together the next day and followed, but we found only dead and dying cattle. Poor things! Some of their eyes were so sunken in their heads that the eyeballs were not at all visible.

We did succeed in saving about fifty head by working them in lots of one to ten, onto the headwaters of the Colorado and Brazos Rivers. But imagine a humiliated bunch of poor cowpunchers going back to the ranch and telling our employer that if he wanted us to drive cattle on the trail he would have to furnish us with another herd, for we had lost that one. . . . He did furnish us with another herd and I went with him to deliver it, but he went along and bossed the job.

Grain Sorghum Variety Tests at Temple

GRAIN sorghum is grown on thousands of acres in the central and south Blackland Prairie that were previously planted to cotton. Estimated acreage of grain sorghum in Bell county increased from 35,000 acres in 1951 to 70,000 in 1954. Numerous varieties and experimental strains of grain sorghum have been tested at Temple during 1949-54. This report is concerned only with commercial varieties.

Grain sorghum variety tests were grown each year on Houston Black clay following small grain. Each variety was grown in a two-row plot and replicated two to four times.

Tests were planted from March 20 to April 10, depending on moisture and temperature, and were harvested when mature. Since each year grain of some varieties was drier at harvest than others, moisture samples were taken and grain from all varieties calculated to a uniform moisture percentage.

The comparable yield figure used in this report is a mathematical computation which permits valid comparisons of varieties grown one year or more during the test period. This method corrects for variation caused by seasonal variations within the period reported. Comparable yields of varieties grown for longer periods are more reliable.

The Double Dwarf Sooner milos were the highest yielding grain sorghum varieties at Temple during 1949-54. These varieties, however, are not desirable because their severe lodging before harvest results in considerable loss of grain during combining. Plainsman yielded well and appears to be one of the most desirable varieties at present. Redbine 60, Redbine 66, Combine Kafir 60 and Martin are other high-yielding varieties recommended for the Blackland Prairie.

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More Meat for Teen-Agers

IS IT possible that we are overlooking the proper growth and development of our most important crop? Our children?

There are definite signs that such might be the case, especially in connection with the diets of our teen-age daughters. In Iowa, for instance, a survey conducted by Dr. Ercel Eppright of Iowa State College among the school children of the state brought this amazing fact to light—more than half of the teen-age girls in the survey had diets which appeared to be grossly inadequate. Surveys in other states have brought similar findings to light.

According to figures compiled by the National Research Council, teen-age boys and girls need from 30 to 50 per cent more of certain food nutrients than their parents.

Meat is an excellent source of the high-quality protein, vitamins and minerals these youngsters need in extra amounts.

Vitamin deficient mothers result in vitamin deficient calves. Vitamin A should be fed to such calves shortly after birth to help fight off disease threats.

The Cattleman—Subscription rates: One year \$2; three years, \$5; five years, \$8; foreign, one year, \$4.

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Our cross breeding program of registered Red Brahman and registered Red Poll has produced a cherry red animal of excellent qualities, they are heavy milkers, early maturing, good feeders, and have the Red Poll temperament.

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Our herd of 135 Red Poll cows running under Red Brahman bulls is located five miles south of Waxahachie. Bob Crittenden is at the Kirven Gin 9 miles east of Waxahachie and 5 miles west of Ennis on Highway 287. Bob will be glad to show you the Southland Cattle crop on these cows.

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Waxahachie Bank Bldg.
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Waxahachie, Texas

BOB CRITTENDEN, Manager
Kirven Gin, Highway 287
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Angus cows are alert, aggressive mothers... provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

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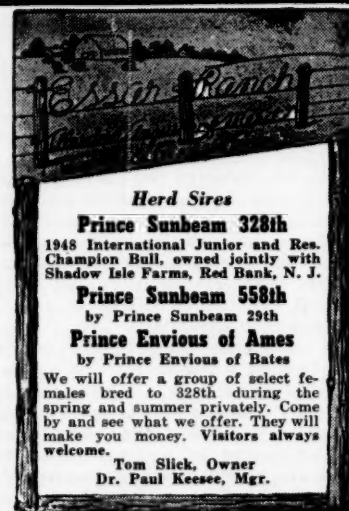
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- Herman B. Thornton, Lockney, Texas
- Jack Edwards, Olton, Texas
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Red Angus Association Holds First Annual Meeting

THE first regular annual meeting of the Red Angus Association of America since its organization a year ago was held March 25 and 26 in Corpus Christi, Texas. Present were members from Texas, Alabama, Oklahoma and Wyoming. During its first year of operation the association has accomplished the inspection and registration of eleven charter herds containing a total of about 507 head of purebred cattle which will constitute the foundation stock of the breed.

From its beginning the association has dedicated itself to the principal that the greatest improvement in beef cattle in the future will come from placing emphasis on the actual measured performance of the cattle in factors of economic importance.

A featured speaker at the meeting was Dr. John W. Howe, director of the division of agriculture, Texas A and I College, Kingsville. His talk was on "Beef Cattle Type in Its Relation to Genetics." He stressed the importance for the Red Angus breed of three things especially—"staying with an intermediate type of animal as to size, developing an animal that will reach marketable size, quality, and finish in the shortest possible time, and emphasizing those aspects of type and conformation which have definite economic value."

Another speaker was Dr. H. H. Stonaker, professor of animal husbandry at Colorado A and M College at Fort Collins, Colorado. The work of the Colorado station at Fort Lewis, Colorado, with which Dr. Stonaker is closely identified, on performance testing of bulls is rapidly becoming famous throughout the cattle industry. The subject of Dr. Stonaker's talk was "New Opportunities in Beef Cattle Selection."

Other matters discussed at the meeting were the details for rules and regulations for registry of animals, the plan to publish a pamphlet giving a short history and description of the breed, the contacting and encouragement of possible new breeders.

Reelected president was Waldo E. Forbes of Sheridan, Wyoming. The new first vice-president is George C. Chiga,

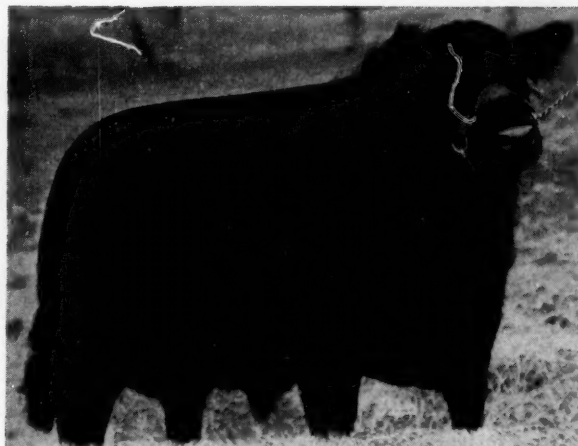
(Continued on Page 134)

New Officers of Red Angus Association

New officers of the Red Angus Association of America are left to right: J. P. Givhan, Mobile, Alabama, second vice-president; Mrs. Waldo Forbes, temporary executive secretary - treasurer; Waldo Forbes, Sheridan, Wyoming, president; Joe F. Perry, Columbus, Texas, director; Mrs. S. Taylor McDaniel, Corpus Christi, Texas, secretary-treasurer and George Chiga, Guthrie, Oklahoma, first vice-president.



IDLEWYLD PROUDLY PRESENTS A FOUNDATION HERD SIRE



Prince Envious 8th of Essar, at home at Idlewyld

It is our ambition at IDLEWYLD to produce Angus cattle that will be a credit to the greatest of beef breeds.

We searched throughout the country, and after due consideration not only to our own experience but based also on the opinions of the ablest judges of the Angus breed, we selected Prince Envious 8th of Essar by the all time great, Prince Envious of Ames by Prince Envious of Bates.

He has the HEAD and BONE to produce quality calves that the breed will justly be proud of.

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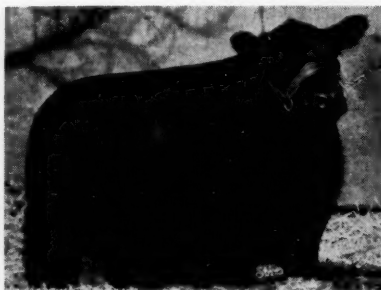
We have been told by many great cattlemen that we have one of the top herds ever to be assembled. Prince Eric Barbarian is sure doing his share to improve the calves. Our Georginas are great. They come from the greatest foundation herds. The sale cattle are great individuals plus great pedigrees . . . a truly great set of sale animals.



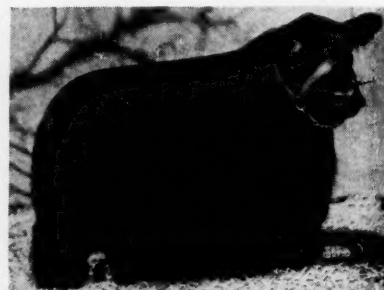
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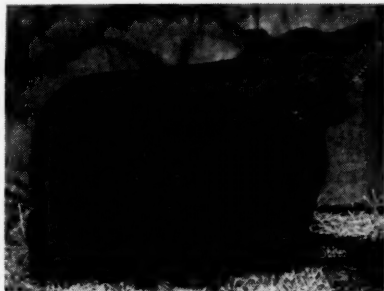
BARBARIAN OF HILLSIDE 4—HE SELLS!



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HILLSIDE GAMMER 2—SHE SELLS!



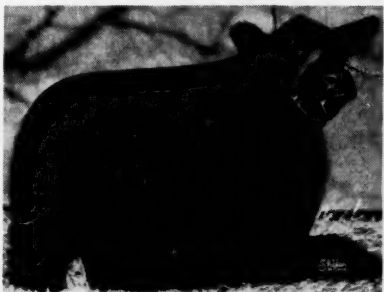
HILLSIDE GEORGINA 4—SHE SELLS!



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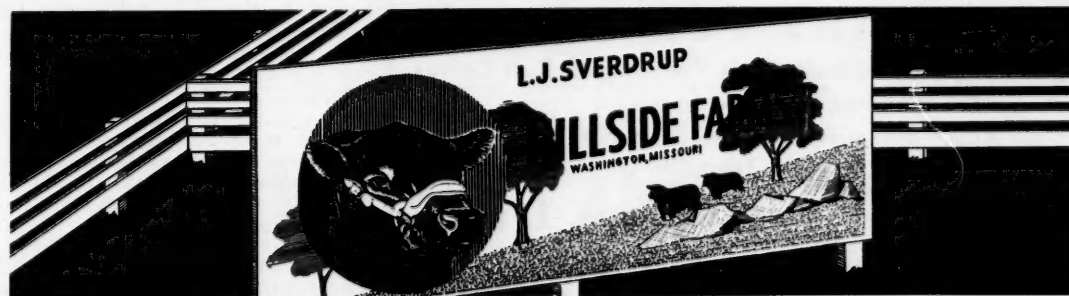
HILLSIDE ZARA 2—SHE SELLS!



HILLSIDE ERICA 7—SHE SELLS!



HILLSIDE BURGESS 5—SHE SELLS!



Guthrie, Oklahoma. Elected second vice-president is J. P. Givhan of Mobile, Alabama. Mrs. S. Taylor McDaniel of Corpus Christi, Texas, was elected secretary-treasurer. Reappointed to continue in a temporary capacity as executive-secretary-treasurer was Mrs. Waldo E. Forbes. Temporary headquarters of the association will also continue to be at Sheridan, Wyoming. The terms of two directors expired this year. These were Mrs. McDaniel and Forbes. They were

re-elected for three year terms. Other directors in addition to the officers are Joe F. Perry, Columbus, Texas, whose term continues until 1956; Miss Anne Gayden, Jackson, Mississippi, and George Hetzel, Kinsley, Kansas, both until 1957.

New members present at the meeting were Herman K. Henry of Haskell, Texas, and his son Patrick; Walter Henshaw of San Antonio, Texas, and Mr. and Mrs. R. C. Buckner of Jacksonville, Texas. Prospective members attending

who already have Red Angus cattle were William Wyatt, Cuero, Texas, and Robert Proctor of Lubbock, Texas, whose cattle are at Huntsville, Alabama. Another member of the group whose cattle have just been inspected and passed for admission to the Herd Book is Dr. S. Brasswell Locker of Brownwood, Texas.

During the course of the meeting those attending visited two Red Angus herds in the near-by area: that of Mrs. S. Taylor McDaniel at Orange Grove, and that of Henshaw Brothers at Mathis.

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National Angus Conference At Stillwater June 30

TWO days of speeches and panel discussions by some of the nation's outstanding beef cattle experts are planned for participants in the first American Aberdeen-Angus Conference, scheduled to open Thursday, June 30, at Oklahoma A & M College.

Angus cattlemen from coast to coast, meeting at Stillwater for the event, will hear such educational leaders as H. H. Kildee, dean emeritus of Iowa State College, and well-known livestock judge; A. D. Weber, dean of Kansas State College, who has contributed much to the nation's livestock industry as educator and judge; Dr. Doyle Chambers of the animal husbandry department at Oklahoma A & M; and George W. Litton, head of the animal husbandry department at Virginia Polytechnic Institute, Blacksburg.

In addition, they will have an opportunity to hear some of the top purebred and commercial Angus breeders in the United States. Among these are J. C. Holbert, Bettendorf, Ia.; Otto G. Nobis, veteran breeder of Davenport, Ia.; John C. Gall, Amandale Farm, Upperville, Va.; Frank Reece, a rancher of the Nebraska Sandhills region near Simeon; Wayland Hopley, Sr., Atlantic, Ia.; Ralph May, Valentine, Nebr.; Dr. Paul Keese, manager of Essar Ranch, San Antonio, Texas; A. H. Spitzer, Jr., J. Garrett Tolan Farms, Pleasant Plains, Ill.; William W. Brainard, Jr., Downsbragh Farms, Far Hills, N. J.; and Paul Good, Artanna Farm, Van Wert, Ohio.

Others on the program will be Dr. L. M. Cropsey, well-known veterinarian of Cassopolis, Mich.; Lyle V. Springer of the American Aberdeen-Angus Breeders' Association; and Dr. Tennyson Guyer of Findlay, Ohio, featured banquet speaker.

While registration for the conference starts at 6:30 p. m., June 30, the first session of the program begins at 9 a. m. the following morning in the ballroom of the Student Union Building. O. S. Williams, president of Oklahoma A & M, will welcome the visitors to the campus, and A. H. Spitzer, Jr., president of the American Angus Association, will make the response. Holbert will give the opening talk on "Our Responsibility as Purebred Breeders."

Each issue of The Cattleman becomes more interesting.—F. G. Snyder, Loup City, Nebr.

VALLEYMERE ANGUS FARMS'



Master Prince 2nd

SECOND ANNUAL
PRODUCTION

SALE

THURS., MAY 19th

WICHITA FALLS, TEXAS

Sale at the Farm, 18 miles west of Wichita Falls and 1½ miles southeast of Kamay at 1:00 P. M.

SELLING 50 HEAD

3 Bulls

2 by MASTER PRINCE OF ESSAR 3d
1 by GREAT OAKS ZARAMAR 4th

47 Females

5 COWS with CALVES
10 Bred HEIFERS
32 Open HEIFERS

Sons and daughters of these Greats sell

PRINCE 105 T.T.
QUALITY PRINCE 17th
PRINCE ENVIOUS of A.P.

HOMEPLACE EILEENMERE 777th
PRINCE EVASCUS
BLACK KNIGHT 20th of A.V.

Also grandsons and granddaughters of these breed improvers—

PRINCE ENVIOUS of BATES
MASTER PRINCE 2d
BLACK PEER 28th of A.V.

PRINCE SUNBEAM 105th
QUALITY PRINCE OF SUNBEAM
PRINCE SUNBEAM 29th

FAMILIES IN SALE

There will be a get-together at the Kemp Hotel on the night of the 18th

2 Blackcap Bessies	1 Edwina
4 Ballindalloch Georginas	1 Katinka
2 Ballindalloch Jilts	1 College Lucy
2 Maid of Bummers	2 Witch of Endors
2 Hartley Edellas	

Sale Headquarters:
KEMP HOTEL

AUCTIONEER
Ray Sims
Benny Scott for
THE CATTLEMAN

WRITE FOR CATALOG

VALLEYMERE ANGUS FARMS

GARLAND EUBANK

Box 87

FLYNN STEWART

WICHITA FALLS, TEXAS

New Aberdeen-Angus Motion Picture

A NEW motion picture entitled, "Mr. Black, Builder of Better Beef," has just been released by the American Aberdeen-Angus Breeders' Association, announces Frank Richards, secretary. The 16-mm. sound film in full color runs approximately 15 minutes.

This motion picture, which is the third produced by the association, shows what good, registered Aberdeen-Angus bulls are doing toward the improvement of the nation's commercial beef herds. It points out those profitable beef-making characteristics of "Black" sires which make

them ideally suited for crossing and upgrading beef cattle herds.

The filming of "Mr. Black, Builder of Better Beef," took place throughout the country. Scenes show commercial beef herds in such widely separated states as California and Virginia. The picture covers ranch, farm and feedlot operations.

Other films produced by the association are "On America's Angus Trails," and "Modern Beef Cattle." These have been widely circulated throughout the United States and have also been shown in Hawaii, Canada, South America, and Australia. A number of college libraries have acquired copies of these two earlier films for local circulation.

All association films are loaned free

of charge with the user paying only the cost of shipping. Reservations need to be made several weeks in advance of showing dates. For further information, write: Public Relations Department, American Aberdeen-Angus Breeders' Association, 9 Dexter Park Avenue, Chicago 9, Illinois.

Red Oak Farms Aberdeen-Angus Sale

SUMMARY

7 Bulls	\$16,170; avg.	\$2,310
101 Females	40,198; avg.	398
108 Head	56,368; avg.	522

RED OAK FARMS, owned by Chester and Crystal Davidson, held their sixth production sale April 11 at the farm near Rocky Comfort, Mo.

Topping the sale at \$7,700 and selling to Harry Granzson & Son, Herington, Kans., was an extra lot bull, Black Peer of Red Oak 60th. The second top selling bull at \$4,700 was Prince Eric of Ferndale, a proven son of Prince Eric of Sunbeam that had been used in the Red Oak Farms herd bull battery. Summere Farms, Sedalia, Mo., was the buyer.

The female top was reached when Summere Farms bid \$3,950 to get Chimera of ROF 3d, a November, 1953, daughter of Homeplace Eileenmere 687th. Selling to Rose & McCrea, Maysville, Mo., and Triple E Ranch, Wewoka, Okla., for \$1,900 was Emslie B. 5th, a six-year-old Bethel Erianna by Buxom Maid's Bell Boy H. Her full sister sold to Hacienda Ranch, Selma, Calif., on a bid of \$1,500.

Auctioneers were Roy Johnston and Ray Sims.

Pfeiffer Stock Farm Aberdeen-Angus Sale

SUMMARY

8 Bulls	\$2,065; Avg.	\$258
42 Females	6,780; Avg.	161
50 Head	8,845; Avg.	177

IT was definitely a buyers market at the Pfeiffer Stock Farm's annual production sale held April 23 at the farm near Orlando, Okla. Eight good, well bred bulls and 42 females in strong breeding condition went through the sale ring for an average of \$177.

The top selling bull was Prince Eric 24th P.S.F., a May, 1953, son of Prince Eric 8th of P.S.F. Herbert Roesler, Perry, Okla., was the buyer on a bid of \$310. Selling to Elmer Wherenberg, Loyal, Okla., for \$305 was Prince Eric 23d of P.S.F., a March, 1953, son of Prince Eric of Angus Valley.

The top selling female, Master Lucy 30th of P.S.F., a March, 1953, daughter of Prince Quality 27th of P.S.F., went to Roy Hoke, Stillwater, Okla., on a bid of \$310. Darrell Kern, Blackwell, Okla., bid \$270 to get Master Lucy 23d of P.S.F., a January, 1952, daughter of Prince Quality 26th of P.S.F. Roy Johnston was the auctioneer.

The Cattleman is a splendid magazine and I do not want to miss an issue.—Albert Wolf, Tyler, Texas.

BYARS—4 WYNNE

BREEDING... INDIVIDUALITY... PREPOTENCY

We believe that these three key words describe a bull's worth as a breed improver. Our search for a herd bull that would meet these three requirements resulted in our purchase of a one-half interest in Prince 105 of TT for \$115,000.

That our decision was well founded is a matter of record.

Prince 105 of TT is bred right, being a son of Prince Sunbeam 105, the renowned sire at Angus Valley Farms.

He is right individually, the modern beef type with the look of a breeding bull.

That he is extremely prepotent is evidenced by the record of his get in the show and sale ring.

We are now offering for sale a selection of sons and daughters of this outstanding sire. Why not add this proven, prepotent blood to your herd with a son or daughter of Prince 105 of TT?

Your visit is cordially invited at both ranches



Owner: B. G. Byars.
Manager: Tommie Stuart.
Herdsman: M. L. Snider.



Owners: Angus Wynne, Jr., and Bedford Wynne
Cattle Manager: Norman Johnson
Farm Manager: Joe Ellis
Herdsman: Dale Flora

DISPERSION SALE

OF THE

PENNEY AND JAMES ABERDEEN-ANGUS HERD

AT THE FARM NEAR

Hamilton, Missouri ★ June 27, 28, 29

Beginning at 10:00 A. M.

OVER 500 LOTS SELL—OVER 600 HEAD IN SALE

The sale includes the great Herd Bull Battery composed of Eileenmere 999th, Homeplace Eileenmere 687th, Homeplace Eileenmere 375th, Homeplace Eileenmere 372d, Homeplace Eileenmere 511th and Homeplace Eileenmere 262d.

80 Other Young Bulls Will Sell—most of them by Home Place Farms herd bulls. **FAMILIES**

325 Females of Breeding Age — this includes bred heifers. About 100 cows will have calves at side.

75 Open Heifers—by Home Place Farms bulls.

A Complete Show Herd Sells—many champions at the 1954 shows and other winners sell along with those cattle being fitted for this year's shows. Two complete show herds being fitted. The Penney and James cattle have won more purples and blues in the past 4 years than any other herd. You will be buying your herd bull and brood cows of the future from this group.

Dams of Great Herd Bulls Sell—dam of Homeplace Eileenmere 999-35th, dam of Homeplace Eileenmere 210th, dam of Homeplace Eileenmere 687th, dam of Homeplace Eileenmere 375th, dam of Homeplace Eileenmere 511th, dam of Homeplace Eileenmere 367th.

Many Dams of show ring winners of the past and present sell.

Selling 60 daughters of Eileenmere 487th, "The Wonder Bull of the Breed." Probably the greatest set of individuals ever offered at auction.

7 Gammers—6 of them coming through Gammer Glencarnock, dam of Homeplace Eileenmere 210th, Grand Dam of Homeplace Eileenmere 999-35th.

7 Homeplace Enquiry Dells—which includes the well-known Enquiry Dell W., Reserve Grand Champion at the 1946 International; 2 daughters and 2 granddaughters sell along with 2 sons.

5 El-Jon Eriannas—2 of them in the show herd.

A Cherry Blossom—2 daughters have sold for \$19,900.00.

Most of the other highly regarded families are represented.

Probably the best group of individuals ever offered at auction.

Many selections from which to choose your next herd bull—female foundation material at its best.

80 Holstein nurse cows will sell at conclusion of Angus sale.

If you receive the Aberdeen-Angus Journal you will get a copy of the Catalog. Otherwise, write for your free catalog to J. B. McCorkle, Sale Manager, Smithville, Missouri.

AUCTIONEERS: Roy Johnston, Hamilton James, Ray Sims, Paul Good • Benny Scott for THE CATTLEMAN

SALE HEADQUARTERS: Strand Hotel and numerous motels, Chillicothe, Missouri.
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Owners



Dr. I. D. Richardson, Resident Veterinarian & Cattle Superintendent

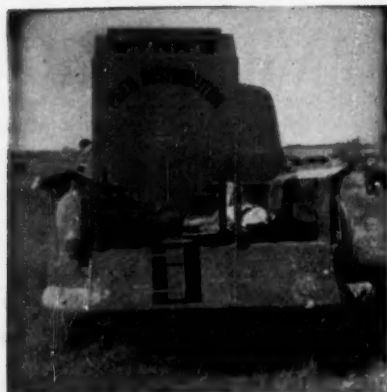
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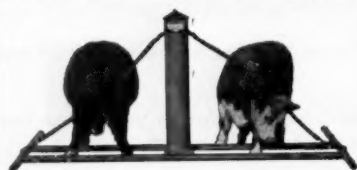
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Texas Farm Population Down

Total Rural Residents Now Less Than Half as Many as 20 Years Ago—Only 13.7 Per Cent of Total Population

By W. G. ADKINS and R. L. SKRABANEK*

THE Texas farm population is now less than it has been at any time since the 1870's, according to estimates based on a statewide survey conducted cooperatively by the Department of Agricultural Economics and Sociology of the Texas Agricultural Experiment Station and the Agricultural Marketing Service of the U. S. Department of Agriculture. The number of persons residing on the farms and ranches of the State in April 1954 was 1,126,000. Just four years previously, the farm population was 1,387,000. Thus, the number of farm residents decreased by about 260,000, or 18.8 per cent, since 1950.

The decline in the Texas farm population since 1950 is a continuation of a trend which began in 1934, after the number of farm residents had reached an all-time high of 2,423,000. While the farm population declined, the total civilian population of Texas increased rapidly and in April 1954 was about 8,200,000. Thus, in 1954, farm residents comprised only 13.7 per cent of the total civilian population, whereas in 1930 more than 40 per cent of the State's citizens lived on farms and ranches.

Since 1940, the farm population in the United States has decreased steadily, although not as rapidly as in Texas. During the 1940-54 period, Texas farm population decreased by 47.9 per cent while that of the nation dropped by 28.3 per cent. By another comparison, the Texas farm population in 1954 was 47.7 per cent of its 1930 figure. In the other states in the West South Central Division of the United States (Arkansas, Louisiana and Oklahoma), the farm population in 1954 was 53.4 per cent of its 1930 figure, and for the United States the comparable figure was 71.7 per cent. Texas had the greatest declines in farm population until 1950, after which the State lost 18.8 per cent of its farm population while that of the other states of the Division fell by 21.9 per cent.

The migration of persons to and from Texas farms resulted in a net decrease of about 67,000 farm residents during the census year ending April 1, 1954. The net loss to the Armed Forces was about 4,000 since approximately 9,000 went into the services and 5,000 returned to farms and ranches. Other servicemen who had entered the Armed Forces from farms also were discharged but did not return to farm residence. Births on farms exceeded deaths by about 19,000. An estimated 35,000 persons moved from non-farm places to farms during the year, and about 120,000 moved from farms. Approximately 3,000 persons moved to

Texas farms from farms in other states.

Texas farm population comprised 5.1 per cent of the nation's farm population in April 1954. In 1950, this proportion was 5.5 per cent. These figures have particular significance to various groups and agencies in the State. For example, certain federal grants-in-aid for agricultural research and extension work are allocated on the basis of the proportion that the farm population of each state comprises of the national farm population. From 1940 to 1950, Texas had a farm population loss of from 7.1 per cent of the nation's total farm population to 5.5 per cent. Consequently, the State's share of federal-grant funds for agricultural research and extension was less than it had been. If the trend of the 1940-54 period continues, the State's allotment of such funds will be further reduced.

Changes in Residential Composition

The residential composition of the Texas population was derived from farm and civilian estimates. The total number of rural residents has decreased since the early 1930's in spite of steady gains in rural nonfarm population. The rural decrease, then, is due to losses of the farm element of the rural population. On the other hand, urban areas have attracted so many people that they increased their proportionate share of the State's population from 41 to an estimated 67 per cent between 1930 and 1954. Thus, while the urban population more than doubled (from 2,389,000 to over 5,000,000), the farm population was reduced by more than half (from 2,359,000 to 1,126,000).

Texas' nonfarm population has increased so rapidly that its estimated 7,000,000 total in 1954 exceeded the total population of the entire State in 1940.

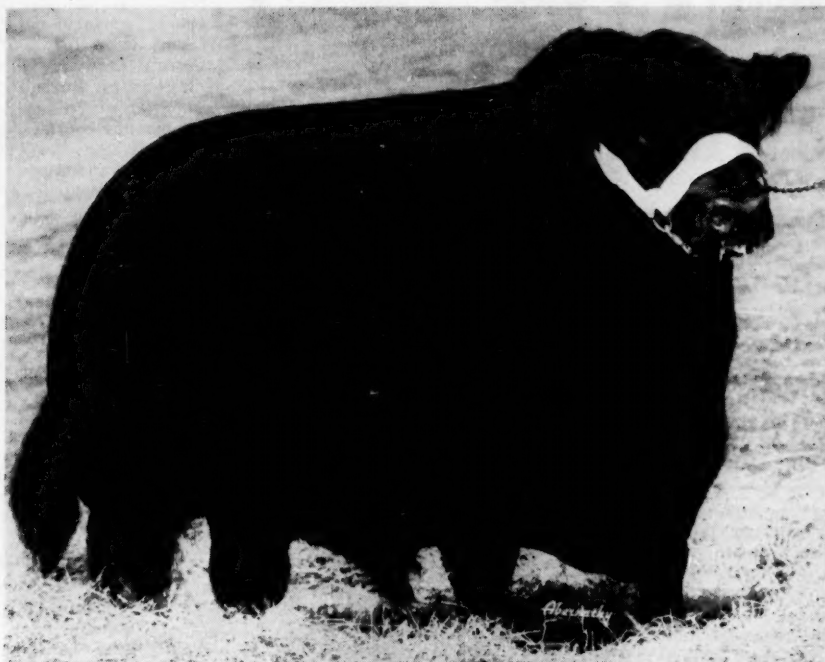
Number of Farms

Changes in farm population have been fairly accurate indicators of changes in other farm characteristics. The number of farms, for example, has been closely related to the number of farm residents. Since 1934, when the farm population of the State began its downward movement, the number of farms also decreased but more slowly. In other words, such factors as growing commercialization in agriculture, increasing mechanization and opportunity for employment in nonagricultural industries tended to decrease both farm population and number of farms. Another factor of importance in Texas that tends to reduce the size of the farm population is the increasing number of farmers and ranchmen who move to cities and towns but continue their agricultural operations. Although these people still are operating farms and ranches they are not counted in the

*Respectively, assistant professor and associate professor, Department of Agricultural Economics and Sociology.

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farm population because they do not reside on the places from which they derive their incomes.

Based on the 1954 Texas farm population, the number of farms in Texas in April 1954 was about 281,000. Other means of estimating the number of farms result in both higher and lower estimates.

Each estimate indicates that the number of farms in the State has decreased substantially from the 332,000 farms reported in 1950 by the Census of Agri-

culture. The estimate used here is considered the most accurate because it takes into account the number of self-employed persons (mostly farm operators) regardless of place of residence.

With 281,000 farms, Texas now has about 517 acres per farm. This is more than twice the average size of farm in 1930 and well above the 438-acre average recorded in 1950. Since, by definition, each farm has one operator, there now are 281,000 farmers and ranchmen in the

State operating farm and ranch real estate with an average value of \$36,485. This value is based on land market information obtained through other TAES studies.

The estimate of 281,000 farms also shows there now are almost 4 residents per farm. In 1940, more than 5 persons resided on each Texas farm.

Farm Labor Force

Between 1950 and 1954, Texas had a decrease of more than 10 per cent of its total farm labor force, which includes farm operators and other farm workers regardless of the place of residence (based on farm population changes and farm labor force of the West South Central States from "Labor Force," Series P-57, Bureau of the Census). The number of self-employed persons in Texas agriculture decreased by more than 15 per cent. The loss in farm-operators and working members of their families almost doubled the loss of hired workers. Other TAES studies indicate that many of the hired workers who left agriculture were regular farm workers.

A severe labor shortage has not developed, however, because mechanization, acreage allotments and widespread drouth decreased the need for farm workers. Some localized labor shortages have been relieved by contracting Mexican National labor.

Not fully included in the 10 per cent decrease in the farm labor force are an estimated 50,000 illegal Mexican aliens who were removed by the U. S. Immigration Service from southwestern states during 1954.

Tenancy

Ownership of farm land by nonfarmers has continued to increase since 1950. These owners have consolidated many small farms and have tended to rent them to one tenant when practicable. Other nonfarmers have, in effect, become operators since they continued to hire farm managers on salary but retained some managerial responsibilities themselves. In 1950 and in late 1953 the reduction in cash crop acreages resulting from acreage allotments caused some consolidation of tenant farms into larger units. In many cases larger tenant units were necessary so that tenant operators would have enough cash crop acreage for economic operations.

The decrease in the number of regular hired workers also has lessened the amount of tenancy. Many of this group were classified as sharecroppers because they shared in small crop acreages. The sharecropping that exists in the state at this time is mainly a device used by farm operators to encourage regular workers to remain on the farm. As a result, there are few 50-50 sharecroppers who are bona fide farm operators.

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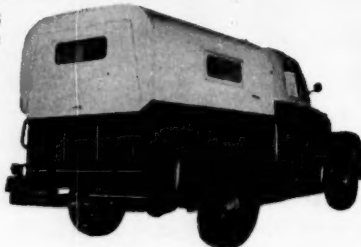
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Black Peer 157 A. V.
By Prince Sunbeam 105th

SELLING 97 HEAD

4 BULLS - 18 OPEN HEIFERS - 42 BRED HEIFERS

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25 BRED FEMALES - to reduce our herd

Here are 25 females coming to you right out of our pastures Sale Day in their working clothes. A catalog supplement will be available Sale Day. This group will sell following our Production Sale. The addition of two herds and a three-year drought forces us to reduce our herd. Real values await you in these cows and calves, many rebred, bred cows and bred heifers.

FAMILIES - - - PREFERRED QUALITY

Ballindalloch Georgina
Blackcap Bessie
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Queen Mother
Jilt
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Edwina
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Blackcap Barry of Wilton
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Black Knight 135th of A. V.

Prince Sunbeam 105th
White Gates Black Bardolier 11th
Fooks Prince

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Santa Gertrudis Steers Win Grand Championship in Cuba

A LOT of 10 Santa Gertrudis steers owned by Sumner Pingree, Ermita, Oriente, Cuba, was awarded the grand championship in a fat steer contest held in Cuba recently. The event was sponsored by the Cuba Santa Gertrudis Breeders Association, an affiliate of the Santa Gertrudis Breeders International.

The steers, which were judged top of

12 lots entered in the competition, dressed 66.39 per cent and averaged 1,134 pounds in weight. Of the 12 lots seven were Santa Gertrudis, two Zebu, one Criollo and two crossbred Charolaise and Brown Swiss. The cattle were judged for uniformity and conformation on the hoof, for yield and for quality of carcass. The 120 carcasses were classified as 15 choice, all Santa Gertrudis; 76 good, of which 42 were Santa Gertrudis; and 26 commercial, 10 of which were Santa Gertrudis. The champion pen graded nine choice and one good.

Champion lot of steers belonging to Sumner Pingree at Havana, Cuba.



Carcasses of the champion lot of steers owned by Sumner Pingree, Havana, Cuba.



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WITH one of every four adults in this country overweight, more attention must be devoted to weight reduction and the importance of meat and other high protein foods in weight reduction. Meat is one of our richest sources of high quality protein. With a diet that includes plenty of lean meat, you can satisfy your appetite, lose weight and maintain your strength.

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The Cattleman is the most widely read publication of its kind in the country.

Beef, Range Field Day May 6 in Osage County, Okla.

FARMERS and ranchers will have an opportunity to observe results of practical range management and the new production testing method of raising beef at a field day May 6 on the Coddling ranch, 7½ miles south of Foraker, Osage county, Okla.

Range and pasture displays, parasite control exhibits and production test procedure demonstrations will be featured during the morning.

The afternoon program starts at 1:30, following a Clay Potts barbecue lunch. Guests will be welcomed by Dr. A. E. Darlow, Oklahoma A. & M. College, vice-president and dean of agriculture, and others.

Five short discussions are scheduled on production testing. Topics and speakers are: "What Is It?" Dr. Doyle Chambers, A. & M. livestockman; "What Can It Do for the Commercial Cattleman?" Charles H. Coddling; "What Can It Do for the Purebred Breeder?" Jack Walker, rancher and banker, Pawhuska; "What Can It Do for the Feeder?" Herman Harrison, Illinois cattle feeder, and "Our Extension Program," Clyde Reed, extension livestock specialist.

Three range and pasture management talks by extension specialists are also on the program, according to A. A. Sewell, Osage county agent, in charge of the afternoon program.

Edd Roberts, extension soil conservationist, will speak on pasture and land judging; Clarence Bunch, range specialist, will point out different practices in native grass management, and Dick Chiles, pasture specialist, will outline best steps in tame pasture management.

West Texas Aberdeen-Angus Sale

SUMMARY

6 Bulls	\$2,640; Avg.	\$440
36 Females	6,900; Avg.	192
42 Head	9,540; Avg.	227

TOPPING the West Texas Aberdeen-Angus sale held April 15 at Lubbock, Texas, was CR Prince Eric 20th, a May, 1953, son of Raona's Prince Eric, consigned by Caprock Angus Farm, Memphis, Texas. This good bull sold on a bid of \$610 to George Borden, Grady, N. M. Bringing \$600 on a bid from Hi Plains Angus Farm, Plainview, Texas, was Black Grenadier of K. 2d, an April, 1953, son of Prince Arthur, consigned by Kenyon Farms, Portales, N. M. Selling on a bid of \$430 to Kellison and Henderson, Lockney, Texas, was DMR Edel Blackcap, an April, 1952, son of Bars Revolution 2d of Magnolia, consigned by Diamond M. Ranch, Snyder, Texas.

The top price for females of \$265 was reached when Kellison and Henderson bought Quality Emily K. of 3B, an April, 1953, daughter of Quality Prince 53d, consigned by Julius Bruner & Sons, Fort Worth, Texas. Selling to Herman Thornton, Lockney, for \$250 was Blackcap B.,

a January, 1954, daughter of Prince Sunbeam 745th, consigned by Clyde Bradford, Happy, Texas.

Ray Sims was the auctioneer.

Ardmore Aberdeen-Angus Sale

SUMMARY

177 Females \$30,320; Avg. \$171

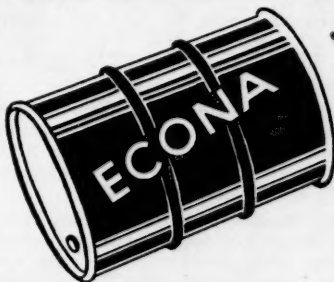
THE Ardmore Aberdeen-Angus sale of pasture fitted cattle was held April 9 at Ardmore, Okla., with 177 head of females going through the sale ring for an average of \$171.

Topping the sale at \$400 was Lucy of T. L., an August, 1953, daughter of Prince Sunbeam 721st, consigned by H. S. Diem and Son, Tulsa, Okla. J. W. Rogers, Muskogee, Okla., was the buyer. W. F.

Meacham, Ardmore, bought the next two top selling females on a bid of \$350. One was Miss Master of Wildot, a May, 1951, daughter of Prince 105th of Wildot, consigned by Clarence Burch, Ravia, Okla. The other was Mina 3rd of Birdseye, an April, 1951, daughter of Black Bar Prince S., also consigned by Clarence Burch. Selling to J. L. McCrory, Ardmore, for \$330 was Juana Cashmere 12th, a four year old daughter of Eileenmere 939th, consigned by R. L. Simpson, Jr., Eufaula, Okla.

Auctioneers were Ray Sims and Charles Richards.

I think The Cattleman is the best stock reporter of cattle sales in Texas.—Gaines B. Preston, Longview, Texas.



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Thanks a lot.—Bert Hayward, Hyannis,
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Beef Council Launches Spring Membership Campaign

PLANS for an intensive county-by-county campaign to increase membership in the Texas Beef Council were announced this month by Leo Welder, President of the Council. Immediate goal for the campaign, which is to run from May 10 to June 30, is 1,500 additional cattle-producer members and 200 more associate members, Welder said.

"An immediate increase in our membership is necessary to continue our beef promotion program at its present successful level," Welder stated. "Our membership has grown very satisfactorily since the program was started last September, but it must continue to grow at an increasing rate. We need the support of at least 500 members of allied industries, and today we have 225 of them. We're going after the others.

"Likewise, there are at least 10,000 cattle raisers who should be supporting the program, in addition to the 2,000 members we now have. We want to double our membership by Fall."

The spring drive will be launched by an early meeting of the Finance Committee, Welder said, following which he and W. N. Sewell of the Beef Council staff will personally visit all TBC Districts in which organization meetings have not already been held.

Quota sheets are being mailed to the County Chairmen, Welder said, giving them specific goals for memberships in both categories, and listing the potential associate members. An organization plan for each county has also been furnished the County Chairmen, which the District Chairmen will help to put into effect.

Animal Agriculture Dominates Farm Scene

FOSTERED by the gradual decline of export markets for wheat and cotton and the increased popularity of meat, livestock and livestock products have displaced field crops as the foremost source of income to farmers. "With the exception of butter and lard, products of livestock have enjoyed a growing position in the diets of American consumers. As their incomes have risen, consumers have materially increased their demand for those products," says H. F. Breimyer, U. S. Department of Agriculture economist.

The biggest and most consistent increases in income have come from cattle and calves, expanding from 11 to 12 per cent of all receipts in the early 1920's to a 19 per cent average for the last four years. Since 1943 cattle and calves have supplanted dairy products as the leading producer of income. Breimyer cites the basic preference for beef as income rises, the shift of population from farm to city, increased use of refrigeration for home freezers, and more efficient methods of retail distribution as being primarily responsible for the uptrend in receipts from cattle.

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Beef Bulls Selected From Feed-Lot Performance

FEED-LOT performance may be the best key to selecting a young beef bull, results of a progeny test at Oklahoma A. & M. College indicates. During the first in a series of progeny tests, there was a positive correlation between the performance of bull calves in the feed lot and the way their progeny performed.

In a feed-lot test in 1951, Sire A, as a calf, gained 2.37 pounds a day and required 802 pounds of feed per hundred pounds of gain. Under similar conditions in 1952, Sire B gained 2.79 pounds per day and required only 639 pounds of feed per hundred pounds of gain. In a progeny test in 1954, calves from Sire B gained .20 of a pound more per day than those from Sire A. In addition the bull calves from Sire B required 40 pounds less feed per hundred pounds of gain than the bull calves from Sire A.

Creep-Feeding Beef Calves

CREEP-FEEDING suckling calves for sale at weaning time was profitable in 1954 after results the three previous years were unfavorable according to tests at Oklahoma A. & M. College. A group of calves which were born in March and April and creep-fed during the summer returned \$52.06 per head net as compared to

\$46.73 per head for a group which were not creep-fed. Poor pastures, a result of the drouth, are believed partially responsible for the favorable creep-feeding results.

In another part of the test, feed-lot performance of calves which had been creep-fed as weanlings was less favorable than the performance of calves which were not creep-fed.

Price Support Stocks Pile Up

AT the end of February 1955 the government had a mountainous 7½ billion dollars tied up in farm products under supports—a sharp increase of six billion dollars since the low reached in mid-1952. Also, it currently is costing the government 250 million dollars annually just to store

the products it has purchased. The Federal Reserve Bank of Chicago comments: "Completely aside from the problem of financing the stocks, the task of providing the physical storage capacity is quite onerous. Moreover, the very rapidity with which stocks have been built up in the past two years compels attention to proposals to restrict production and alter the levels of supports." Acreage cut-backs on wheat, cotton and rice, and lower support levels on wheat, corn, oats, barley, grain sorghums and rye are measures being relied on in an effort to stem the buildup in Commodity Credit Corporation stocks this year.

The six basic crops (corn, wheat, tobacco, cotton, rice and peanuts) which have benefited by rigid price supports at, of course, high cost to other agricultural and non-agricultural tax payers, comprise only 26 per cent of the nation's total agricultural production. Such important crops as fresh fruits and vegetables, eggs, cattle, hogs and poultry are not under the price support program.

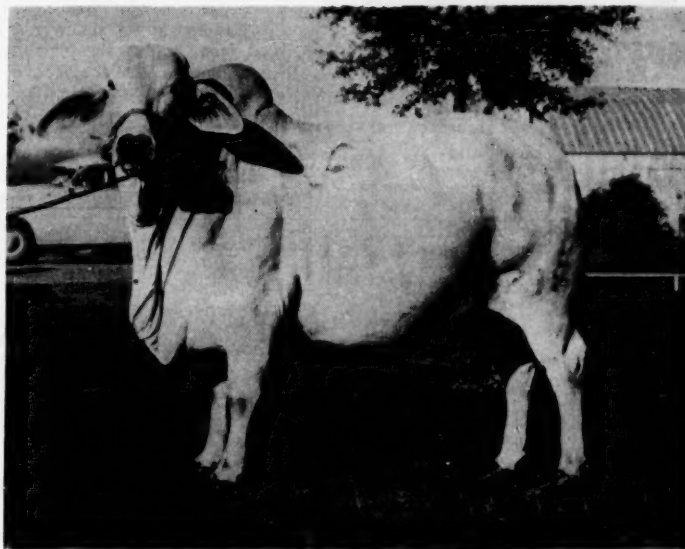
E. E. Moore, owner of Double E Ranch, Senatobia, Miss., has announced the employment of E. G. "Gene" Schubert as new ranch manager. Schubert is a native of Hamilton, Ohio, and comes to the Double E Ranch from the Penney and James Ranch, Hamilton, Mo. He has many years of experience in showing and fitting cattle. Double E Ranch is widely known for the production of top quality Polled Hereford breeding stock.



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Lahoma Sweet Sudan Grass

By CHARLES E. DENMAN, Department of Agronomy, Oklahoma A. & M College

LAHOMA is a wide-leaved, late-maturing variety of sweet sudan. It is notably uniform in growth habit, and has a distinctive yellow-green leaf color. This variety has been found to contain up to 17 per cent protein when in the young, succulent stages. It generally averages 10 to 12 per cent protein. Livestock relish both stems and leaves even when the plants are in the last stages of growth.

Forage yields of 2½ tons per acre may be expected on upland soil during favorable seasons. Yields of 6½ tons of forage per acre have been obtained on good bottomland soil under irrigation. Seed yields of 1,500 pounds per acre have been obtained on upland soils, and yields up to 6,000 pounds per acre have been obtained on bottomland soil under irrigation.

Seed Source

A limited supply of certified seed is available for the 1955 planting season. Most seed crops resulted in failure in 1954 because of the severe drouth throughout the Lahoma seed-growing area in the state. If the growing season is favorable in 1955, there should be an adequate quantity of certified seed to supply the demand in 1956.

Origin and Description

Lahoma sweet sudan grass was selected from among the progeny of breeding materials from the Texas Agricultural Experiment Station in 1948. The original selection was made by W. C. Elder of this station in 1949, from a progeny row that remained in a vigorous growing condition after the other entries had succumbed to drouth and severe chinchbug

infestation. Lahoma has been widely tested under the designation of Oklahoma No. 130.

Lahoma sweet sudan grass is a wide-leaved, late-maturing, drouth-enduring variety. It is very uniform in growth habit, tillers well, and has a distinctive yellow-green leaf color. Lahoma is a good seed producer and the seeds range in color from apricot to sienna.

Forage Production

In general, the common non-juicy types of sudan grass outyield the sweet, juicy-stemmed types in Oklahoma. Because of the late-maturing habit of the sweet types, they may outyield the common types in certain years when early-summer drouth is followed by late-summer rains.

Forage yields have been obtained for several years for both common and sweet types of sudan grass in uniform variety trials. Yields for both pasture and hay have generally been obtained. The pasture plots were clipped at intervals when the varieties reached 12 to 18 inches in height, and the hay plots were clipped when the plants were in the boot stage and 30 to 42 inches tall. Samples were taken to determine dry weight per acre and for chemical analyses.

The increase in leafiness of Lahoma indicates an improvement in quality of forage over the common types since leaves are preferred to stems by the grazing animal. In grazing trials, cattle have grazed both stems and leaves in sweet varieties, but grazed only the leaves and left the stems in common varieties. In one grazing trial at the Perkins Station, cattle left an average of 650 pounds residue per acre on the common type plots and an average of only 300 pounds residue per acre on the sweet variety plots. The sweet varieties, Lahoma and Texas 372, were grazed down uniformly, permitting faster and more uniform regrowth than in the common types where only the leaves were eaten leaving the stems.

Seed Production

Seed yields of 1,500 pounds per acre have been obtained on upland soil at the Perkins Station, and preliminary trials under irrigation at El Reno indicate that yields up to 6,000 pounds can be expected on fertile bottom-land soils.

Protein Content

The protein content of Lahoma is similar to that of other sudans. The later maturity of Lahoma insures green forage over a longer period, and gives a higher percentage of protein in the late-season growth.

Adaptation, Disease, and Insect Pests

Lahoma sweet sudan is adapted throughout the state of Oklahoma. Like common types it responds to fertility and moisture. When moisture is exces-

sive, as often is true in eastern Oklahoma, leaf diseases may become troublesome. If the crop is to be utilized for pasture or hay, diseases are not as harmful because they usually do not affect the plants a great deal until the later stages of growth.

Seed yields will be reduced in eastern Oklahoma because as the plants near maturity the effect of the leaf diseases becomes greater. This variety produces good seed yields in central and western Oklahoma because of the reduced rainfall and humidity.

At present no known commercial variety of sudan is resistant to chinchbug infestations. The original selection of Lahoma appeared to be resistant or tolerant to chinchbug attacks. There has been no severe natural infestation of chinchbugs since 1949 and efforts to induce artificial infestations in the variety trial plots have been unsuccessful.

Plant aphids often become troublesome as the plants near maturity and seem to infest the sweet types more than the common varieties. This is probably because of the increased sugar concentration in the sweet varieties. In certain outbreak seasons, grasshoppers may severely damage sudan.

Management

When sudan grass is drilled in 14-inch rows about 15 to 30 pounds of seed are required. When planted in 36- to 42-inch rows, 8 to 12 pounds of seed are required. A thick stand is not absolutely necessary because plants tiller well when in thin stands. If a seed crop is to be taken, sudan should always be planted in 36- to 42-inch rows. A firm, moist seed bed is preferable, and the seeds should be planted about 1 to 1½ inches deep.

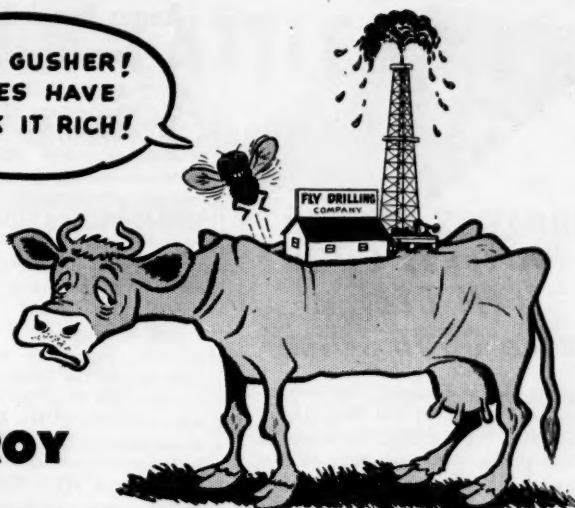
The proper seeding date depends somewhat upon local conditions and the use to be made of the crop. Danger of frost should be past before planting. In Oklahoma, seeding dates in general range from May 1 to July 1. Seedlings may be made as late as August 1 when emergency pasture is needed. If the crop is to be used for seed production it should be seeded not later than June 15.

Lahoma sudan grass should be grazed when it has reached a height of 15 to 24 inches. At this stage the plants will contain from 10 to 15 per cent protein, depending upon the moisture available, temperature, and age of the plants.

Prussic acid content varies in the different types of sudans, with the sweet types tending to be more dangerous than the common types. Lahoma tends to contain relatively more prussic acid than the common types but no more than the other sweet types available. Lahoma has been grazed by cattle for three seasons at this Station with no apparent ill effects to the animals. Nevertheless, precaution should be exercised when first turning animals into sudan fields of any variety whether of the sweet or common type.

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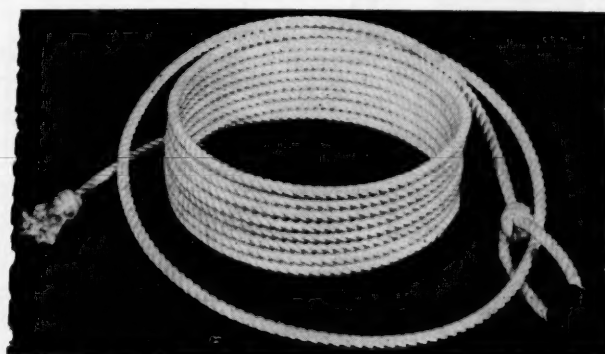
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Angus Board Rules on Two Important Questions

AT A RECENT meeting of the board of directors of the American Aberdeen-Angus Breeders' Assn., resolutions were passed covering the rules on artificial insemination and on fees for registration of purebred Aberdeen-Angus born in Canada and imported to the United States.

The following resolution was adopted explaining the intent of the rule on artificial insemination:

"Be it resolved: That under the rule adopted regarding artificial insemination, it was the intent and purpose thereof that the dam so served shall be the sole property of the owner or one of the co-owners of the bull so used. That this interpretation shall be effective as to cows served after May 1, 1955."

The other resolution passed by the board changed the fees for registering Canadian-born cattle:

"Resolved: That animals born in Canada and imported into the United States shall be eligible for registration upon the payment of a fee of \$5 per animal if application is made after one year from date of importation; if application is made after one year of date of importation, the fee shall be \$25 to members and \$50 to non-members, provided that any animal which is the produce of artificial insemination shall be recognized only if meeting the rules applicable to such animals born within the United States, and provided further that any imported animals to be eligible for registration must comply with all other applicable regulations of the American association."

Oklahoma Agronomy Day

KINDS and rates of fertilizers for top production, highest producing varieties and improved cropping practices are some of the many money-making research results to be viewed at the 23rd annual Oklahoma A. & M. College agronomy day May 10.

Four tours will cover work in small grain improvement, soil fertility, pasture management and turf legume breeding, according to Dr. H. F. Murphy, agronomy department head.

"The tours will run concurrently," he said, "but guests may attend any or all of them sometime during the day."

Experimental plots expected to attract particular attention include Concho wheat, which will be released this fall by certified seed growers, and the new oat variety, Cimarron, which can be seeded in the fall, winter or spring.

Guests also will see results of different fertilizer rates, treatments and management practices on 12 pastures; adaptation tests on 60 species of turf for lawn and similar uses in Oklahoma, and crop rotation studies.

Highlight of the day will be presentation of master agronomist awards to individuals who have contributed valuable public service in the field of soil management or crop production.

A Clay Potts barbecue lunch will be held on the station grounds.

Effect of Stilbestrol on Cattle Is Small

THE results of carcass quality studies on beef cattle used in four stilbestrol feeding experiments were announced recently at Iowa State College.

The results showed that all-over differences in carcass grade, fat, lean and bone content of the rib cuts and the fat covering of the carcasses of cattle fed with and without stilbestrol are small.

The study included carcasses from 92 beef cattle. Sixty-three of these cattle had been fed stilbestrol. Twenty-nine were from control lots not fed stilbestrol.

Dr. Joseph Kastelic, one of the researchers who worked on this project, observed there was as much variation in the various characteristics among carcasses produced by animals not fed stilbestrol as there was between carcasses produced by animals fed stilbestrol. There was no consistent indication that amounts of lean, fat and bone in the rib cuts were associated with levels of stilbestrol feeding.

Regardless of whether or not stilbestrol was fed, the live grades for all cattle were higher than the carcass grades.

The current studies, he said, reveal that there are large variations among cattle in degree of muscling and amount of fat regardless of ration treatment. These differences were not consistently associated with the levels of stilbestrol.

The only carcass measurement which showed a tendency to be different between control and stilbestrol-fed cattle

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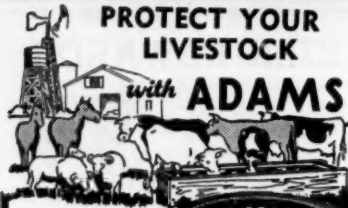
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was the area of the rib-eye muscle. It tended to be somewhat larger in some stilbestrol-fed cattle as compared to control cattle in two out of the four feeding experiments studied. Kastelic pointed out that this might be expected. Since the stilbestrol-fed cattle made faster live-weight gains they were heavier at the time of slaughter. They might, therefore, be expected to have larger muscles than animals which had not been fed stilbestrol.

In carcasses from two experiments the water content of the rib-eye muscle several days after slaughter was studied. It was essentially the same in stilbestrol-fed cattle carcasses as in the control cattle carcasses.

Shrink in live animal weights during shipment of animals from the feedlot to the packing company and dressing per cent calculated by taking the carcass weight and dividing by the weight of the animal at the end of the feeding period were calculated. There was within each single experiment no evidence that animals fed stilbestrol were different from animals which had not been fed stilbestrol.

The average carcass grade for all the 92 carcasses fell between high, good and low-choice. In this pooled average the control carcasses were one-fifteenth of a grade higher than the pooled average carcass grade of stilbestrol-fed animals. The per cent lean meat in the rib was 1.2 higher for the stilbestrol-fed cattle than for the control cattle. The per cent of bone in these cuts was 8/10 of 1 per cent smaller in the stilbestrol-fed cattle. These differences in the rib cuts varied so much among the carcasses of both the control and treated animals that it was not possible to relate composition of rib cuts with levels of stilbestrol fed.

Kastelic said additional studies will be continued in stilbestrol feeding experiments now in progress at the college in attempts to further the present carcass-evaluation study.

Kansas State Feeders' Day May 7

CATTLE, hogs and sheep on Kansas State College feeding tests will be on display at the college along with explanations of the results of the tests at the 42d annual Livestock Feeders' Day at Manhattan on May 7.

Besides the morning tour and explanation of the tests there will be an afternoon speaking program and a presentation of beef production awards by W. H. Atzenweiler, agricultural commissioner of the Chamber of Commerce, Kansas City, Mo. George F. Andrews, Kanapolis, president of the Kansas Livestock Association, will preside over the afternoon meeting.

John H. Knox, head of the department of animal husbandry at New Mexico A. & M. College, will be afternoon guest speaker. The Kansas State College animal husbandry staff will report on the feeding and breeding tests, followed by a question and answer period.

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FACTORS AFFECTING LIVESTOCK INVESTMENT TRENDS

By JOHN W. STEPHENS

NOTE TO THE READER: The information on this page is assembled and written about the 20th of each month nearly two weeks before you read it. This is necessary in order to meet the publication date. Frequently it is necessary for the author to make estimates of coming events. Sources of information and reasons for statements will be furnished on request. Address your inquiries to *The Cattleman*.

The statements on this page are solely the opinions and views of Mr. Stephens and in no way reflect the views of the editorial staff of *The Cattleman*. Mr. Stephens is an investment counsellor and you may address any inquiries to him in care of *The Cattleman*. If you have any suggestions for information that you think should be on this page send your recommendation to the editor.—The Editor.

TRENDS:

Farm Products: The late freeze indicates higher prices for crops and less over-all cash income. Exports have increased over last year by about 5 per cent, but not enough to offset another indicated surplus in grains and cotton. Foreign buyers are reluctant to reach for commodities at current price levels.

Parity Ratio: Dropped to 86 as anticipated and probably will be around 85 during the summer months. Nothing presently indicates a change for the better.

Cost of Living: Remains level and encourages spending for consumer goods, but Union demands during coming months should cause an increase this fall. Average weekly earnings at \$75.30 (factory level) are about 6 per cent above a year ago.

Retail Food Prices: Will be irregular for the next few months due to shortages and freezes in some areas.

Spendable Income: Recent consumer surveys conducted by University of Michigan in connection with Federal Reserve System indicates higher income and a feeling on part of consumers that times are better and that incomes will be better at this time next year. This feeling will encourage spending for food items.

Industrial Production: Will reach its peak in the next 60 days and then decline during the vacation period.

FAVORABLE:

1. Chicken hatches for flock replacement are 27 per cent below same time last year and it means higher egg prices this fall. Broilers will be about 3 per cent below same time last year in the next 60 days.
2. Ratio of inventory to sales is lower than any time in past 2 years and it means new orders for production of goods will increase at department store level.
3. Department store sales still running 7 per cent above same period last year for the first 4 months. Spending in 338 reporting centers to Federal Reserve System is 8.5 per cent above same time last year.

UNFAVORABLE:

1. Farmer is now getting only about 42¢ of consumers' food dollar as compared to 45¢ last year and that is a decline of 7 per cent.
2. Wholesale meat prices in big cities are 12 per cent over last year while retail meat prices are up only 7½ per cent and that means there is plenty of competition of other meat products at retail with less profit mark-up.
3. Cumulative total of cattle and calves placed on feed during first 3 months of this year is 11 per cent over last year. Feed is cheap but it means more beef to be marketed in competition with Pork and Poultry; also, in adequate supply.
4. Pasture conditions are about the same as last year but probably will get worse . . . so be prepared for further troubles.

COMMENT:

Federal Reserve action during past 60 days indicates higher interest rates and stringent credit conditions this fall. Get your arrangements made now for loans that you will need this fall at current interest rates. Money is going to be hard to get when you need it. Watch the weather. Dry weather means cheap calves and Wet weather means they won't come to market.

Livestock Markets Review

Price Range at Fort Worth, Houston, San Antonio and New Orleans During Past Month

FORT WORTH Livestock receipts on the Fort Worth market during April show increased numbers of cattle, calves and hogs compared with April of last year. Sheep and lamb supplies dropped off a few thousand head as compared with April of last year. Recent prices paid for most classes of livestock show a lower trend.

Compared with a month ago most slaughter steers are \$1.00 lower and heifers 50c lower. Commercial cows were strong to 50c higher, cutter and utility cows were weak to 50c lower. Canners and cutters were 50c-\$1.00 lower. Bulls were mostly steady, compared with a month ago and slaughter calves \$1.00 lower. Stocker yearlings and calves were 50c-\$1.50 lower.

Yearlings including many heifers made up a large share of the cattle in the local yards this month, with about 20 per cent cows. Good and choice beef steers and yearlings sold recently from \$19.00-22.50, a few \$23.00 and prime Club yearlings and some from a county show brought \$25.00. Commercial slaughter steers cashed from \$15.00-18.00. Good and choice heifers turned from \$17.00-21.00. Utility and commercial heifers and mixed yearlings sold from \$11.00-16.00.

Most beef cows were utility grades, with recent sales from \$11.00-12.50 and commercial grades \$13.00 and \$13.50 a few around the middle of the month at \$14.00 and some early in the month to \$14.50. Canners and cutters are crossing the scales from \$7.00-11.00, with most sales \$8.00-10.50. Bulls changed hands from \$10.00-14.00, latter price for commercial bulls.

Choice slaughter calves were selling late in April from \$20.00-21.00, a few to \$21.50. Good slaughter calves turned from \$17.00-19.00, commercial \$13.00-16.00, and cull and utility calves sold from \$9.00-13.00.

Good feeder steers moved recently from \$18.00-20.00, with choice yearlings to \$21.00 and some at mid month at \$22.00. Good horned steers brought \$17.00

and medium stockers moved from \$14.00-16.00. Medium and good stocker heifers turned from \$12.00-17.00, and stocker cows from \$9.50-12.00, mostly \$11.00 down. Good stocker steer calves moved from \$17.00-20.00 and choice from \$21.00-22.00. Medium stocker calves moved from \$14.00-16.00 and heifer calves from \$12.00-17.00.

Butcher hog prices on the local market advanced from \$2.00 from the middle of last month to middle of April, but lost some of this upturn during the third week of April. This month's top \$18.50 was paid on April 11 and 12. On April 21, butcher hogs dropped to \$17.50, with choice 190-245 lbs. \$17.35 and \$17.50. Heavier and lighter weights ranged from \$16.00-17.25 and sows from \$13.00 to \$14.50.

Local sheep and lamb prices dropped sharply late last month and made only small changes during April. Recent sales compared with a month ago show shorn spring lambs \$1.50-2.00 lower, or \$4.00 under the high time late in March. Shorn slaughter lambs are \$2.00-2.50 lower, ewes \$2.00 lower and feeder lambs \$3.00 off. About 40 per cent of the receipts were spring lambs and good and choice springers sold recently from \$20.50-22.00, with culls down to \$12.00. Good and choice shorn slaughter lambs turned from \$16.50-18.00, with culls down to \$8.50. Utility and good aged wethers \$8.00-10.00, culls to good shorn slaughter ewes \$5.00-6.00, spring stocker lambs \$14.00-15.00, and shorn stocker and feeders \$11.00-15.00.

SAN ANTONIO All cattle classes showed price declines on the San Antonio market during April, as compared to prices paid at the close of the preceding month. At the end of the third week in April prices were 25c-50c lower on slaughter steers and yearlings, steady on cows, 25c-50c lower on bulls, 50c-\$1.00 lower on slaughter calves and 50c-75c lower on stocker calves.

One small lot good to mostly choice

light heifers turned at \$23.00, but the bulk good yearling steers and heifers, mostly kinds scaling under 850 lbs., cashed at \$20.00-22.25. Bulk good short-feds rated \$17.00-20.00, with utility and commercial grassers taking \$13.00-17.50.

A sprinkling of young commercial cows claimed \$13.00-14.00. Bulk of the supply fell in the canner and cutter grades which sold in a spread of \$6.50-11.00. Some strong weight cutters went at \$11.50 and occasional light shells dropped to \$5.00. Most of the utility cows scored \$10.50-12.50. Heavy commercial bulls ranged from \$14.50-15.25 with lighter weights at \$14.00-14.50. Cutters and utility bulls sold mainly at \$10.50-13.75.

Most of the good slaughter calves drew prices ranging \$19.50-20.50, a few scattered good to choice at \$21.00-21.50. Bulk commercial and low good lots earned \$17.00-19.50, with utility and commercial sorts at \$12.00-17.00.

Load lots good yearling stocker steers sold at \$18.25-18.50 and a sizable string medium crossbred two and three-year-old steers took \$17.00-17.50. A few good lightweight yearling and stocker calves scored \$18.50-20.00. Small lots common and medium light yearling stockers turned at \$12.50-17.00. Only scattered small lots good and low choice stocker calves cashed at \$19.50-21.00.

In the hog division, good and choice 175-240 lb. barrows and gilts commanded \$17.50-18.00. Choice sows 330 lbs. down scored \$15.50-16.00 with 350-550 lb. weights getting \$14.00-15.50.

Small lots choice spring lambs earned \$23.00-25.00 before Easter. Good grades centered around \$18.50-21.00 with cull and utility selling at \$11.00-17.50. Good to choice shorn old crop lambs earned \$16.00-17.00. Good shorn yearlings with No. 1 and No. 2 pelts sold up to \$15.50 and choice lightweight aged wethers topped at \$21.00. Bulk utility to choice aged wethers ranged \$7.50-10.50. Cull to good shorn slaughter ewes sold at \$4.00-7.00.

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shorn Angora butcher goats ranged \$5.50-6.50, boning kinds mainly \$4.00-5.50. Slaughter kids sold largely at \$2.50-4.00 per head.

HOUSTON Trading was generally active at the Port City Stockyards during the past month but some slow sessions were experienced, mostly due to higher asking prices or lower bids. Bulls moved more unevenly than any other class and heavy slaughter yearlings and steers proved hard to sell most of the time. The clearance was practically complete each day. The demand for stocker classes was not overly broad, affected to a great extent by drouth conditions. The bulk of the supply consisted of slaughter cows in the cattle division, making up about 80 per cent of the receipts with other classes represented rather sparingly and some classes scarce at times. The total salable supply of cattle amounted to about 5,050 head, about 1,900 head more than were offered the previous month but 1,800 head less than the total for the corresponding month of last year. Good and choice yearlings advanced 50c during the month with lower grades steady to weak, slaughter cows dropped 50c-\$1.00 with other classes holding near steady. Good and choice slaughter yearlings and steers sold from \$20.00-22.00, the bulk of the Commercial from \$17.00-18.00. Utility and Commercial cows went from \$10.50-12.50, canner and cutter from \$8.50-10.50, hard shelly cows down to \$6.00. Cutter and utility bulls brought from \$12.00-14.00, an occasional commercial to \$15.00. Common and medium stocker steers and yearlings cashed from \$11.00-15.00, common and medium stocker cows from \$9.00-11.00.

The demand for high commercial to choice slaughter calves was broad while lower grade calves became increasingly harder to sell, reversing the trends of the two preceding months. This was due to the scarcity of fed calves and the more abundant supply of grass calves. Stocker demand was rather dull at times, especially for lower grade mixed breed kinds. The month's total receipts amounted to approximately 11,950 calves, almost 3,000 more than were offered the preceding month but about 700 head short of the same period last year. High commercial to choice slaughter calves advanced mostly \$1.00-1.50 while lower grades were 50c-1.00 lower. Good stocker steer calves held steady but mixed breed calves lost \$1.00-1.50. Good and choice slaughter calves made from \$21.00-23.00. Commercial from \$18.00-20.50, utility from \$15.00-17.00 and cull

down to \$10.00. Good stocker steer calves brought from \$18.00-20.00, a few choice to \$21.00, common and medium mixed breed calves sold from \$12.00-15.00, mostly \$14.50 down. Heifer calves proved practically impossible to sell to stocker buyers.

NEW ORLEANS Receipts on the New Orleans Stock Yards, Inc. for the period under review showed a slight decrease as compared with the same month last year. Offerings, as a whole, continued to be on the medium side with comparatively few grading good to choice.

Trade during the month was active on commercial and better calves. All others moved off slowly, particularly during the latter part of the month. While the market advanced \$1 to \$2 on commercials and better during the mid-month, this gain was lost toward the end of the period. Cows were fairly active all during the period and sold in line with last month's prices. Bulls were relatively unchanged.

As usual, most activity centered on the lighter calves with the heavier kinds moving off slowly with decreased demand.

Good to choice calves sold from \$19-\$22; commercials \$15-\$18; utilities from \$12-\$15 and culls \$9-\$11.

Commercial cows brought \$13-\$14; utilities \$10-\$12; cutters \$9-\$11 and canners \$7-\$8.50.

Best bulls sold from \$13-\$14; utilities \$11-\$12 and canners and cutters \$9-\$10. Good to choice slaughter steers and heifers sold from \$21-\$23; commercials \$16-\$17 and utilities \$13-\$14.

Good stocker steers brought \$18-\$20 and common and mediums \$14-\$17 with stocker heifers ranging from \$9-\$14.

Hogs were active during the period, and though the market fluctuated somewhat, particularly during the latter part, prices were mostly steady. Good and choice hogs, 180-220 lbs. brought \$17.50; good, 230-250 lbs. \$15.50-\$16; good, 160-180 lbs. \$16-\$17; good butcher pigs \$14-\$16; good packer sows, 400 lbs. up, \$14 down; good packer sows, 400 lbs. down \$14-\$15; and good bred feeder pigs \$18 with all others in proportion.

Aberdeen-Angus Transactions

J. S. Angus Farm at Tulsa, Okla., sold eight cows and a bull to E. R. Durham of Tulsa.

Eleven cows were sold to W. S. Foley, Jr., of Sinton, Texas, by Elizabeth F. Thorne of Taft, Texas.

Three cows were sold to John B. Parr

of Hollis, Okla., by R. C. Ponder of Mangum, Okla.

Eight bulls and four cows were sold to Paramount Valley Angus Farms at El Reno, Okla., by Angus Valley Farms at Tulsa.

Four cows were sold to Lester Clouse of Vinita, Okla., by Frank Sweetin of Grove, Okla.

Fourteen cows were sold to Hartgraves & Kinsey of Eldorado, Texas, by R. L. Vaughan of San Angelo, Texas.

R. E. Warren of Idabel, Okla., sold three cows to Robbin's Angus Farm at Fort Smith, Ark.

Nine cows were sold to Donald Nightengale of Isabella, Okla., by Glory Lee Bierig of Ringwood, Okla.

Eleven cows and one bull were sold to R. A. Lueck of Rosebud, Texas, by Earl Southerland of Pendleton, Texas.

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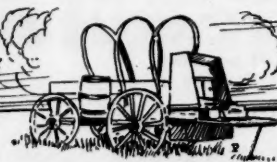
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Range News of the Southwest



Western Ranges

Western grazing conditions are poor to fair with the lowest April 1, range feed condition since 1935. The lack of winter precipitation, followed by cold, dry, windy weather during March, resulted in little soil moisture to start new range and pasture feeds. Ranges and pastures have little old feed and new feed growth in the earlier sections was delayed and retarded by below normal temperatures and lack of rain. Livestock have been maintained by feeding and are in good condition except in the very dry areas. Severe weather during March resulted in some local loss of calves and lambs in the Northern Rockies. The severe storm and record snow of early April in parts of Montana and Wyoming resulted in some local loss of cattle and sheep and rather heavy losses of early calves and lambs, but the extent of these losses is unknown at this time, according to the April 1, 1955 Western Range and livestock report of the U. S. Agricultural Marketing Service.

The supply of range and pasture feed that was reduced by 1954 drouth conditions has been further complicated by the lack of winter and early spring precipitation. The condition rating of range feed at 67 per cent is the lowest for April 1 since 1935 when 63 per cent was reported. Other low range feed ratings for April 1, were 71 per cent in 1954, 72 per cent in 1937, 73 per cent in 1952, and 74 per cent in 1953. Montana and the Dakotas had

considerable snow cover during March, with feeding, but old feed and soil moisture are fair to good. Poor range and pasture feed conditions cover most of Wyoming, Eastern Colorado, Western Kansas, Western Oklahoma, the western third of Texas, and Eastern New Mexico. This large central and southern plains area does not have sufficient soil moisture to start new grass. Nebraska has fair old grass and ample moisture to start new growth. Eastern Kansas and Eastern Oklahoma have ample topsoil moisture to start new pasture feed. Eastern Texas has fair new pasture feed and soil moisture with some March freeze damage. Idaho, Oregon and Washington ranges and pastures suffered from cold weather and lack of soil moisture, resulting in the lowest April 1 range feed condition in 33 years of record. Nevada has very dry, poor range feed with the lowest April 1 condition of record. Utah ranges had little old feed and very dry conditions, with some relief from early April snows. Western Colorado has fair old feed and soil moisture, but the State's April range feed rating is the lowest since 1935. Arizona has very dry ranges with new feed retarded by cold and lack of rain. California's range and pasture feeds have been retarded by cold temperatures and the driest March in recent years. The large 17-state grazing area will need heavy precipitation to overcome the long standing drouth and limited precipitation during early 1955.

The reported condition of sheep and

lambs on April 1, 1955 was 78 per cent, compared with 79 per cent last month, 81 per cent a year ago, and the 10-year (1944-53) average of 82 per cent.

Cattle Sales and Prices

Where sex is not given on sale, excepting calves, the reference is to steers. As "The Cattleman" goes to press several days before date of release, range conditions may have changed since these reports were made.

AMARILLO

Fred Bauer, Dalhart, shipped 353 steer and heifer yearlings and two-year-old steers to Valentine, Nebr., and bought 200 steer yearlings and two-year-old steers from Kuykendall and Wharton, Dalhart.

C. F. Augustine, Lamar, Colo., bought 263 two-year-old heifers from Jarrott & Roberts, Lubbock; and 50 steers from Fritz Schuman, Dumas.

J. W. Olsen, Dumas, sold 222 two-year-old steers to Harley & Franks, Iowa City, Iowa.

S. Weisbart, Ettar and Dumas shipped 683 steers and heifers to Brush, Colo.

Murphy & Boxwell, Dumas, sold 434 heifer yearlings to Charley Ford, South Dakota.

J. W. Huff, Dumas, sold 237 heifer yearlings to John Lebseck, Sterling, Colo.

M. S. McGregory, Dumas, sold 146 two-year-old steers to Don Perkins, Pilger, Nebr.; and 300 to M. D. Eagle & Thorp, Greeley, Colo.

Marshall Cator, Sunray, sold 150 heifer yearlings to Mactier & Son, Valley, Nebr.; and 373 to Montford Feed Yards, Greeley Junction, Colo.

Bill McGlothen, Dumas, sold 161 mixed steers to Mutt Beauchamp, Dumas.

Arvil Perkie, Dumas, sold 136 steer and heifer yearlings to Dee Graham, West Branch, Iowa.

Gilbert Childress, Sioux City, Iowa, bought 57 steer and heifer yearlings from Buck Wells, Dumas; and 202 heifer yearlings from Clifton Sharp, Hartley.

Bud Coffee, Sunray, sold 215 heifer yearlings to Riverside Cattle Co., Eaton, Colo.

K. LaFon, Amarillo, sold 320 heifer yearlings to Hamil Bros., Sterling, Colo.; 303 to Hamil & Weakley, Atwood, Colo.; and 152 cows to Kruger & Hunt Comm. Co., Los Angeles, Calif.

Gordy Bryant, Hartley, sold 139 heifer

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yearlings to Earl Woessner, Shannon, Ill.

Abe Miller, Dalhart, sold 162 heifer yearlings to Walter Smith, Wyoming, Ill.

W. N. Barrick, Amarillo, sold 52 aged cows to Southwest Cattle Comm. Co., Los Angeles.

Henry Finley, Claude, sold 56 yearling steers and heifers to Burlington Comm. Co., Kansas City, Mo.

V. Lee Matney, Amarillo, sold 56 heifer yearlings to Dennis T. Johnson, West Point, Nebr.

Lawrence & Swanson, Amarillo, sold 200 steer and heifer yearlings to R. D. Swanson, Watertown, S. D.

P. A. Brooks, Midland, sold 58 steer and heifer calves to Leo Forrest, Vornough, Mo.

R. S. Bollen, Geneseo, Ill., bought 55 two-year-old steers from E. C. Britain & Son, Sunray; and 433 heifer yearlings from John Hill, Amarillo.

J. W. Byrd, Wayside, sold 128 two-year-old steers to Wm. A. Miller, Eaton, Colo.

Harold O'Neal, Panhandle, sold 102 steer yearlings to Frank Eckhardt, LaSalle, Colo.

H. B. Fain, Amarillo, sold 374 steer and heifer yearlings to Fred Dodson, Amarillo.

T. L. Roach & Son, Amarillo, sold 199 heifer yearlings to Channing F. Sweet, Ramah, Colo.

George Porter, Amarillo, sold 50 steer and heifer yearlings to C. C. Pierce, Escondido, Calif.

Foster Pickett, Amarillo, sold 99 steer and heifer yearlings to Emmett Brickley, Valentine, Nebr.

J. C. Bellah, Canyon, sold 297 steer yearlings to J. D. Brennen, Kirkland, Ill.

McGehee Bros., Wayside, sold 102 two-year-old steers to Beverly Cattle Co., Beverly, Iowa.

J. J. Berg, Amarillo, sold 52 two-year-old steers to Warren Jensen,

Princeton, Ill.; and 70 to Howard Wertheimer, Oakland, Nebr.

J. O. Parker, Wayside, sold 147 steer yearlings to M. F. Jarvis, Hoosier, Kans.

Frank Cooper, Amarillo, sold 58 steer yearlings to Louis Beady, Clington, Mo. Singer & Brummett, Amarillo, sold 364 steers to Birmingham Cattle Co., Marion, Iowa.

Irl Frantz, Hartley, sold 187 heifer yearlings to Milton Fries, Longmont, Colo.

C. E. Weymouth & Son, Amarillo, shipped 900 steer yearlings to Ft. Pierre, S. D. to grass.

Cattle prices are steady to strong. We have had some moisture, enough to start grass, but need more rain.—N. H. Sweeney.

ARCHER CITY

O'Donohue Ranch, Holliday, sold 220 two-year-old steers and 120 yearling heifers to Guy Flint, Amarillo; and 130 yearling steers to Flint & Dawson, Amarillo, all for June delivery.

Richardson Bros., Megargel, sold 300 yearling steers to Allen Dawson, Amarillo, for June delivery.

M. L. Garrett, Wichita Falls, sold 120 yearling steers to Oklahoma parties for June delivery.

Jerry Crain, Wichita Falls, sold 150 yearling steers to Oklahoma City parties for June and July delivery.

D. M. Cobb, Antelope, sold 150 mixed yearlings to Roy Corbett, Graham, for May 1st delivery.

G. U. Baker, Wichita Falls, bought 120 mixed yearlings from Henry Bryson, Bryson; and sold 45 steer yearlings to Omaha, Nebr. buyers; and 265 two-year-old steers to Cross Elle Cattle Co., Amarillo.

Cross Elle Cattle Co., Amarillo, bought 300 yearling heifers from Richardson Bros., Megargel; 220 steer yearlings and 80 heifer yearlings from W. B. Ray,

Archer City; one load of heifer yearlings from W. W. Ray, Archer City; and 396 two-year-old steers from W. J. McMurtry, Archer City, all for June delivery.

We have had some good showers, from a quarter of an inch to two inches the past forty days but none of them covered a very wide area and a general rain is needed for under ground season and to make stock water. The southeastern part of Archer county and the southwestern part of Clay county suffered severe hail and wind damage on April 5 and 6 and the grass was so beaten off that some cattle had to be fed until grass could grow out. Cattle have wintered exceptionally well and are doing good now. About all of the calves have been branded and the calf crop percentage is high. Very few cattle are moving, except through local auction rings and no ranch sales or leases have been reported.

Dry cows are selling \$10.50 to \$14.00; cows with calves, \$125 to \$150; yearling steers, 19c to 21½c; twos, 19c to 21c.—W. J. McMurtry.

CLARENDON

C. L. Lewis, Clarendon, bought 800 heifer yearlings from Keeton Cattle Co., Lubbock; 250 two-year-old steers from George Shawver, Megargel; and sold 250 two-year-old steers to Dr. Harrison, Paducah.

Bob Andis, Pampa, bought 180 heifer yearlings from D. B. Kirk, Spearman; 417 steer yearlings from Carl McDonald, Amarillo; 233 heifer yearlings from Bill Stockstill, Pampa; and 145 from A. C. Wilkerson, Pampa.

John Sims, Pampa, sold 210 heifer yearlings to Miller & Karsh, Denver, Colo.

Gilbert Bolz, Stanton, Nebr., bought 479 yearling steers from Britten & Kotara, Groom; and 83 heifer yearlings from Ralph Britten, Groom.

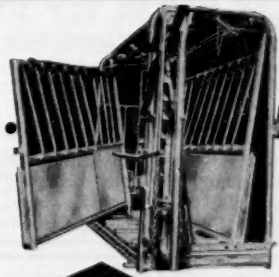
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Sam Kotara, Lark, sold 225 heifer yearlings to Alston Farms, Pierce, Nebr.

Three Cooke's Cattle Co., Clarendon, sold 117 steer and heifer yearlings to Fontayne Elmore, Clarendon.

Fred Bauer, Denver, Colo., bought 701 steer and heifer yearlings from Andy Smith, Henrietta; and sold 350 heifer yearlings to Kipart Farms, Sioux City, Iowa; and 361 steer yearlings to Brickley Cattle Co., Valentine, Nebr.

L. T. Shelton, Clarendon, sold 100 steer yearlings to C. B. Newby, Plattsburg, Mo.

Britten & Kotara, Groom, sold 288 heifer yearlings to A. R. Letts, Amarillo.

W. J. Lewis & Son, Clarendon, sold 1,000 steer and heifer yearlings to C. B. Newby & Sons, Plattsburg, Mo.

Shelton & Chamberlain, Clarendon, sold 159 heifers to Miller & Karsh, Denver, Colo.; 850 steers and heifers to Newby & Sons, Plattsburg, Mo.; 100 steers to Foxley & Co., Omaha, Nebr.; 105 steers and heifers to Joe Miller & Co., Denver, Colo.; 20 cows and calves to Lee Muse, Clarendon; 40 steers to J. H. McMurtry, Clarendon; 27 steers and heifers to Tom Bugbee, Goodnight; and bought 126 steers from Jake Mayfield, Silvertown; 35 steers and heifers from H. D. Bell, Clarendon; 262 steers and heifers from B. N. Head, Clarendon; 357 from Stanton Brunson, Lubbock; 100 steers from Buell Draper; 42 heifers from Beaver Estate; 46 heifers from League Ranch; 43 from A. E. York; 96 steers from Ray Steele, Crowell; 115 steers and heifers from J. L. Webb, Silvertown; 100 steers from True Burson, Silvertown; 33 steers and heifers from Jno. Brown, Paducah; 40 heifers from Joe Montgomery, Memphis; 54 steers from W. C. Thornberry; and 29 steers and heifers from Paul Montgomery, Lakeview.

This country is very dry and there is no grass in sight yet. A good many cattle are being shipped out to grass.

Steer calves are selling 22c to 25c; heifer calves, 18c to 19½c; dry cows, 9c to 11c; cows with calves, \$125 to \$150; yearling steers, 21c to 24c.—A. T. Jefferies.

HEBBRONVILLE

Correction—In the April issue of The Cattleman the range report from Hebronville stated that the Callaghan L. & P. Co., Encinal, bought the Jones Ranch

and 600 yearling steers. This was an error. The report should have read that the Callaghan L. & P. Co., Encinal, bought the Jones Ranch steers consisting of 600 yearlings, etc., but they did not buy the ranch. We are making this correction in order to keep the record straight.

Spring shipments are under way to northern grass and California feed pens. It is very dry here, the high, dry winds and cold weather hurt the vegetation. Yeager Armstrong, Hebronville, shipped 278 steers to Clyde Watkins, Uvalde; L. C. Traylor, San Antonio and Encinal, shipped 953 steers to Jack Kenyon, Mineral Point, Wis.; Callaghan L. & P. Co., Encinal, shipped 1045 steers to Blythe, Calif.; David E. Bintliff Interests Ranch, Laredo, shipped 503 steers to Bintliff Plantation, Quimby, La.; J. B. Parker, Encinal, shipped 667 steers to Lacey & Parker, Tulare, Calif.; W. H. Bell and "Shorty" Neal, Laredo, shipped 511 steers to Foraker, Okla.; Jim Donnell, Fowlerton, shipped 169 steers from his ranch near Aguilares to Hamilton, Kans.; Robert C. Adams, Jr., Center, shipped 325 steers from Laredo to Glen Hawthorne, Sallyards, Kans.; David C. Bintliff Interests Ranch, Laredo and Houston, shipped 731 steers to A. N. Bocock, Matfield Green, Kansas; and 418 steers to Bailey Bros., Matfield Green; Jennings Bros., Laredo, shipped their yearlings to the San Antonio market; and Dana Hellen, Hebronville, also shipped to the San Antonio market. Francis Gill, Mirando City, sold 70 steers to W. H. Bell and "Shorty" Neal, Laredo. Jack Moss, Laredo, sold his yearlings on the Alice market.

The cattle movement will be in full swing from now until the 1st to 15th of May.—Jack H. Mims.

LUBBOCK

Frank H. Chappell, Jr., Tucumcari, N. M., sold 140 heifer and steer yearlings to Ernest Wilmet, Spearman.

Ezra Norton, Hereford, sold 42 bulls to Ed Warren, Las Vegas, N. M.

Howell Smith, Wichita Falls, bought 3974 heifer and steer yearlings from W. T. Waggoner Est., Vernon, and sold 397 steer yearlings to Ray LeBus, Wichita Falls; 444 to Ray Heithoff, Manning, Iowa; 160 to Claude Cole, Milburn, Nebr.; 968 to Bob Harding, Fort Worth; 467

heifer yearlings to Anderson & Son, Eaton, Colo.; 467 to Graefe & Graefe, Ault, Colo.; and 102 to Henry Trampe, Kearney, Nebr.

This part of the country is dry and needs rain to start the grass. Cattle are in pretty good condition. There is very little trading going on at present, outside of the local markets.—J. W. Drace.

MIDLAND

There has been no cattle movement in this area the past month. A few cattle are still coming through sales rings. It is very dry and during April we had some unusually bad sand storms. There is very little green stuff and we need some rain before the grass will grow.—Howard McDaniel.

MULESHOE

Ross Rentfro, Amarillo, sold 210 cows to George White, Littlefield.

Pete Burke, Friona, sold 33 steers to George P. Deidricksen, Bancroft, Nebr.

J. I. Morton, Muleshoe, sold 98 heifers to Jimmy McAdams, Amarillo.

O. N. Jennings & Son, Muleshoe, sold two truckloads of fed steers on the Fort Worth market.

Bert Chitwood, Friona, bought 169 steers from Rodney Smith, Hartley; and 300 cows from Sloan Osborne, Friona.

John Davis, Muleshoe, sold 17 cows on the Fort Worth market.

Sudan L. S. & Feeding Co., Sudan, sold 142 heifers to Swift & Co., Fort Worth; 265 steers to Colorado feeders, and 185 to Maryland feeders.

C. W. Johnson, Friona, has contracted 1000 mixed calves to California parties for fall delivery.

Pat Boone, Littlefield, has contracted 425 steer yearlings for spring delivery.

There has been just a trace of rain since last report and dust storms have been intense.

Steer calves are selling 21c to 25c; heifer calves, 18c to 23c; two and three-year-old heifers, \$125 to \$150; dry cows, 11c to 13c; cows with calves, \$140 to \$160; yearling steers, 21c to 23½c.—Jno. S. McMurtry.

QUITAQUE

J. W. Miller, Tulia, shipped 34 fat heifers to the Fort Worth market.

Jimmy Webb, Silvertown, sold one car of stocker steers and one car of stocker

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heifers to Shelton & Chamberlain, Clarendon, which were shipped to Plattsburg, Mo.

Elmer Tibbetts, Floyd county, shipped 25 mixed steers to the Amarillo sale.

Jimmy Rhoderick, Quitaque, shipped 25 mixed steers and heifers to Amarillo.

Bill Sauls, Floyd county, shipped 24 black steers to the Amarillo sale.

Grady and Bruce Parr, Cee Vee, shipped 15 steers and 7 heifers to the Fort Worth market.

G. W. Lee, Silverton, sold 200 steer yearlings to Schott Miller, Amarillo.

Old Matadors, Matador, shipped 24 old cows, 25 steers and 6 bulls and stags to the Oklahoma City market; 721 small steers to Sterling, Colo. feed lots and grass; and sold 265 little steers to Weisbart, Dumas; and 180 steers to Thomas B. McCabe, Berlin, Md.

Otis Wilson, Quitaque, shipped 25 cows, calves and bulls to the Fort Worth market.

Tom Cobb, Claude, bought 50 steer yearlings from Jack Hutcheson, Quitaque; 43 from Robert Gayles, Tulia; 4 from Curtis Parker, Tulia; 85 from Frank Cobb and Roy Carson, Swisher county; 28 from Glenn Settle, Tulia; and 15 from Hugh Dook, Claude. These cattle were all shipped to Maxwell, N. M., to grass.

Billy Lewis, Jr., Tampico Switch, shipped one car of canner and cutter cows to the Oklahoma City market; and shipped 231 steer yearlings to Kansas grass.

Joe McMurtry, Clarendon, shipped 225 steer yearlings to Kansas grass.

Emmett Lefors, Pampa, shipped 150 steer yearlings from Clarendon to Lenapah, Okla., to grass.

The northern counties are still dry and we are having a lot of dust storms. A lot of yearlings are going to grass from this territory. The sale rings are still doing good business and prices are holding up fair.

Steer calves are selling 20c to 23½c; heifer calves, 18c to 21c; dry cows, 11c to 14c; cows with calves, \$90 to \$150;

canners and cutters, 8c to 10½c; bulls, 11c to 11½c.—Maynard Wilson.

SWEENEY

We have had a few rains the past month and cattle are doing well, and are extra well along the coast. A lot of cow men are working. A few steers are being shipped, but there are not many steers in this area for shipment. Sale rings report about normal runs.

Good calves are selling 18c to 22½c; fat cows, \$10 to \$13; good cows and calves, \$100 to \$125; good heavy bulls, 13c to 14c.—Leonard Stiles.

TAHOKA

It is pretty dry in this country and there are very few good cattle on the market.

Steer calves are selling 18c to 21c; heifer calves, 16c to 17c; two and three-year-old heifers, \$80 to \$90; dry cows, 9c to 11c; cows with calves, \$110 to \$135.—B. L. Parker.

Cattle News

OMAHA

By HART JORGENSEN

Hart Jorgensen, Executive Director of the Livestock Foundation of Omaha, is personally known to thousands of Corn Belt and Western livestock growers and feeders through his market broadcasts, and talks before various livestock grower and feeder groups.—The Editor.

Californians who've been winning at the way Big Ten football teams have been treating their Rose Bowl representative these last several years, now have a new woe.

And as reported by Roy Young of the Omaha World-Herald Market News Bureau, this latest tribulation was brought up by none other than a Californian. A Mr. O. D. Keep it was, the editor and

publisher of a California magazine named Fortnight. His publication carried an article titled "Meat Detective" which quoted Dave Breitbart, operator of a swank Santa Monica, Calif., restaurant, to this effect: "Cornfed beef out of the Midwest is superior because it's tender, has better quality, and has more flavor."

The Western States Meat Packers Association, Inc., forthwith took issue with Fortnight magazine and the Santa Monica restaurateur, Mr. Breitbart. There were charges of "eastern cornfed beef propaganda," and "misleading the consuming public." The Western States packer group cited University of California research and taste tests which it says demonstrated that "there was no appreciable difference in top round steaks from barley or cornfed steers . . . barley fed beef was slightly more tender . . . cornfed beef had a small edge in juiciness and flavor . . . and that average consumers could not differentiate between the two."

University of California research and taste tests notwithstanding, cornfed beef, and even more specifically, Omaha beef, continues to grace more and more menus in better eating places. J. Leroy Welsh, Omaha grain man and a director of the

(Continued on Page 159)

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HEREFORD SALES

May 2-3—Texas Hereford Assn. Round Up, Fort Worth, Texas.
 May 5—L. P. Griffin, Jr., Kilgore, Texas.
 May 9—Lancaster Farm & Ridgacres Farm, Durant, Okla.
 May 14—H. C. Spinks, Paris, Tenn.
 May 16-18—Shannon Springs Hereford Farm, Versailles, Ky.
 May 20-21—Jones Hereford Ranch Dispersion, Rhome, Texas.
 May 23-24—Art Greenberg Dispersion, Grand Forks, N. D.
 June 7—Hill Country Hereford Assn. All Female Sale, Mason, Texas.
 June 10—Hereford Heaven Heifer Sale, Sulphur, Okla.
 June 16-18—Foster Farms, Rexford, Kans.
 Sept. 16—Hereford Heaven Feeder Calf Sale, Ardmore, Okla.
 Oct. 6—Heart O' Texas Hereford Assn., Waco, Texas.
 Oct. 7—Gulf Coast Hereford Assn., Angleton, Texas.
 Oct. 14—Wyoming Hereford Ranch, Cheyenne, Wyo.
 Oct. 26—Hill Country Hereford Assn., Mason, Texas.
 Nov. 9—South Texas Hereford Assn., Beeville, Texas.
 Nov. 14—Greenbelt Hereford Assn., Childress, Texas.
 Nov. 15—Custer County Hereford Assn., Clinton, Okla.
 Nov. 19—Premier Hereford Farm, Wolcott, Kans.
 Nov. 28—West Texas Hereford Assn., Abilene, Texas.
 Dec. 3—Blanco County Hereford Assn., Johnson City, Texas.
 Dec. 5—Anxiety 4th Hereford Breeders, Amarillo, Texas.
 Dec. 6—Cay County Hereford Assn., Henrietta, Texas.
 Dec. 10—Hereford Heaven Range Bull Sale, Ardmore, Okla.
 Dec. 14—Montague County Hereford Assn., Bowie, Texas.
 Feb. 8, 1956—Southwest Okla. Cattlemen's Assn., Lawton, Okla.

POLLED HEREFORD SALES

June 6—Panola-Tate Polled Hereford Assn., Senatobia, Miss.
 June 27-28—Glen Meadow Ranch Dispersion, Hernando, Miss.
 Oct. 3—Panola-Tate Polled Hereford Assn., Senatobia, Miss.
 Dec. 5—Oklahoma Polled Hereford Assn. Sale, Enid, Okla.
 Dec. 12—Gatesford Place, Arlington, Tenn.
 Jan. 21, 1956—Double E Ranch, Senatobia, Miss.
 Mar. 5—Panola-Tate Polled Hereford Calf Sale, Senatobia, Miss.

ABERDEEN-ANGUS SALES

May 7—Jack Mann Dispersion, Marshall, Texas.
 May 14—Gulf Coast Aberdeen-Angus Assn., Brookshire, Texas.
 May 16—Sam Evans, Waldron, Ark.
 May 19—Valleymere Angus Farms, Wichita Falls, Texas.

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May 21—Red Gate Farms, Millwood, Va.
 May 26—Daniel Angus Farms, Fairfield, Texas.
 (Sale at Luther McClung Ranch, Saginaw, Texas.)
 May 28—Hillside Farms, Washington, Mo.
 May 31—San Angelo Distribution Sale, San Angelo, Texas.
 June 18—E. D. Comb's Ebony Knoll Farm Dispersion, San Marcos, Texas.
 June 27-29—Penney and James Dispersion, Hamilton, Mo.
 July 2—Lee Gorges Dispersion, Fall River, Kans.
 Sept. 5—Bradford Angus Farm, Happy, Texas.
 Sept. 26—Good Earth Stock Farm, New Florence, Mo.
 Oct. 24—New Mexico Angus Cattlemen's Assn., Clovis, N. M.
 Oct. 27—South Texas Aberdeen-Angus Assn., Alice, Texas.
 Nov. 19—Sieteco Ranch-RD Angus Farm, Broken Arrow, Okla.
 Nov. 21—Simon Angus Farm, Madison, Kansas.
 Feb. 3, 1956—Byars-Four Wynnes 105 TT Sale, Dallas, Texas.
 Feb. 4—Kemp Ranch, Dallas, Texas.



SANTA GERTRUDIS SALES

May 16—Callan Santa Gertrudis Sale, Waco, Texas.

HORSE SALES

May 14—H. C. Spinks, Paris, Tenn.
 May 16—R. Q. Sutherland Dissolution Sale, Overland Park, Kans.
 June 20—Underwood-O'Donohoe, Joint Quarter Horse Production Sale, Wichita Falls, Texas.

GENERAL

May 1-8—Annual Osage Downs Futurity & Race Meet, Pawhuska, Okla.
 May 7—Texas Appaloosa Horse Club Show, Baird, Texas.
 June 5—Fort Worth Horseshoe Club's Children Horse Show and Rodeo, Fort Worth, Texas.
 June 22-25—Championship High School Rodeo, Hallettsville, Texas.
 June 24-25—21st Annual Osage County Cattlemen's Assn. Convention, Pawhuska, Okla.
 June 26—2nd Annual Ben Johnson Memorial Steer Roping, Pawhuska, Okla.
 June 30-July 2—Aberdeen-Angus Conference, Stillwater, Okla.
 July 10—Annual Cambridge Saddle Club Horse Show, Cambridge, Ill.
 July 11-12—Oklahoma Polled Hereford Tour, Woodward, Okla.
 July 29-31—9th Annual International Roundup Clubs' Cavalcade, Pawhuska, Okla.
 Sept. 24-Oct. 2—New Mexico State Fair, Albuquerque, N. M.
 Oct. 26-Nov. 6—Grand Natl. Livestock Exposition Horse Show and Rodeo, Cow Palace, San Francisco, Calif.
 Jan. 3-7, 1956—Sand Hills Hereford and Quarter Horse Show, Odessa, Texas.
 Jan. 27-Feb. 5—Southwestern Exposition & Fat Stock Show, Fort Worth, Texas.

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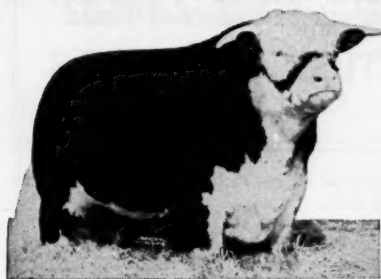


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The breeding behind Bilt-Rite Herefords is proving itself in the show ring, sale ring, on the range and in the feed lot. The ready acceptance accorded our cattle is naturally very gratifying, and we will continue to breed the kind of Herefords that get the job done for our customers.

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BE RIGHT . . . BUY BILT-RITES

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Thanks to the Following Recent Good Customers:

John C. Spann, Munday, 1 bull
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 Many With Calves.

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Cattle News

(Continued from Page 157)

Union Stock Yards Co., of Omaha, recently found Omaha beef featured on the menu at the Desert Inn, Palm Springs, Calif., and far off in another direction, Harry B. Coffee, president of the Union Stock Yards Co., of Omaha, discovered Omaha beef on the menu in the Hilton Hotel dining room in San Juan, Puerto Rico.

* * *

A pair of youthful Californians, who one of these days may be producing some of that barley fed beef, Dan Davey and Kirk Fowler of Salinas, were recent Omaha livestock market visitors. On second thought, maybe they'll return here and produce cornfed beef. At any rate, the two came to Nebraska for a week on an exchange student basis with the Vocational Agriculture department of Lincoln (Neb.) Northeast High School, whose adviser is Lloyd C. Schmaeake. The Lincoln Northeast students who went to Salinas to look at West Coast irrigated agriculture, were Jim Lee and George Rollofson. The exchange of students between the two Vocational Agriculture departments is believed to be the first such Vocational Agriculture arrangement in this country.

* * *

Made a trip to Burwell, Nebr., April 6th, for that community's annual Farmer-Rancher-Wrangler "get-together," and enjoyed participating in that event. As of that date, moisture was the urgent need there and some folks said they were selling stock cattle that they had planned to grass through the summer. Much of the Western range country has been and is dry, and that has been a factor in some recent rather sizeable stocker and feeder runs here at the Omaha market—that is, sizeable for this time of the year. Some weeks have brought in 6,000 to 7,000 stocker and feeder cattle and calves.

* * *

The government's cattle-on-feed estimate for April 1st (for 14 major feeding states) was placed at 4,547,000 head—12 per cent above a year earlier. Few in this area take issue with that estimate, but point out that cattle showing an appreciable length of feed are very scarce. In fact, the government report bears that out.

* * *

Going into the last half of April, feeder cattle values were holding up better than those of grainfeds. For the second week of the month, average price of slaughter steers at Omaha was \$22.30, exactly on a par with a year earlier, but more than a dollar short of March's high point, \$23.42. By contrast, average price of replacement steers at Omaha the second week of last month was \$21.05, compared to \$18.89 a year ago.

I enjoy The Cattleman very much, the advertisements as well as the articles from the state agricultural experiment station.—Russell Cline, Tucson, Ariz.

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**List Regulations for Kansas
 Angus Futurity**

RULES and regulations for the first annual Kansas Angus Futurity Show and Sale, scheduled Feb. 17-18, 1956, at Topeka, were announced recently by the show committee.

All cattle must be nominated by the breeder; however, calves purchased in dam will be eligible. Nominated cattle, if

sold, are eligible to show by the new owner, if a Kansas breeder, and he designates the animals and complies with the rules and regulations of the show.

Classes for both bulls and heifers are as follows: Summer yearlings, born between May 1, 1954 and Aug. 31, 1954; senior calves, born between Sept. 1, 1954, and Dec. 31, 1954; junior calves, born between Jan. 1, 1955, and March 31, 1955; and summer junior calves, born after April 1, 1955. Breeders may nominate as many head as they desire; however, not more than eight head may be shown by any one breeder.

Nomination fee is \$5 per head, and fees and nominations should be sent to John O. Miller, Topeka Chamber of Commerce, 112 West 7th St., Topeka, Kan., prior to Sept. 1, 1955. No substitutions may be made after nomination deadline of Sept. 1. Only paid-up members of the Kansas Angus Breeders Association, as of Jan. 1, 1956, will be eligible to show.

**Angus Futurity Dates Changed
 to August 10-12**

THE dates for the 1955 American Aberdeen-Angus Breeders' Futurity has been changed. The new dates are now August 10, 11 and 12, which is one day earlier than the one previously announced for the Futurity.

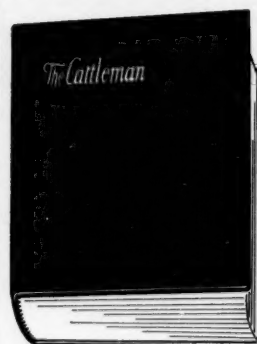
Robert W. Williams, chairman of the executive committee, made this announcement following a recent meeting of the executive committee: "In order to allow exhibitors an extra day to move their show cattle from the Futurity to the Illinois State Fair, as well as some of the other fairs which open the following week, we have advanced the date for the Futurity to Wednesday, August 10, and Thursday, August 11. We will again operate on a two-day schedule, but in the case inclement weather should temporarily postpone showing on either of these two days, the show will be continued on Friday, August 12."

The manager also pointed out that the Futurity sale would definitely be on Wednesday afternoon, August 10, in the sale pavilion at Kneeland Race Course, Lexington, Ky. Plans are under way to make this the largest Futurity sale yet held, and Floyd Dievert, chairman of the sale committee, urges breeders to get their Futurity sale cattle ready. Nomina-

tions will have to be made by the middle of May.

Reservations to attend the Futurity may be made by writing to any of the hotels or motels in Lexington, Ky., for space.

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	(Lloyd E. Griffith, Drawer 1095)
Texarkana	James H. Rhea, Box 512, Texarkana, Stk. Yds.

The cost of membership in the Association is \$6.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

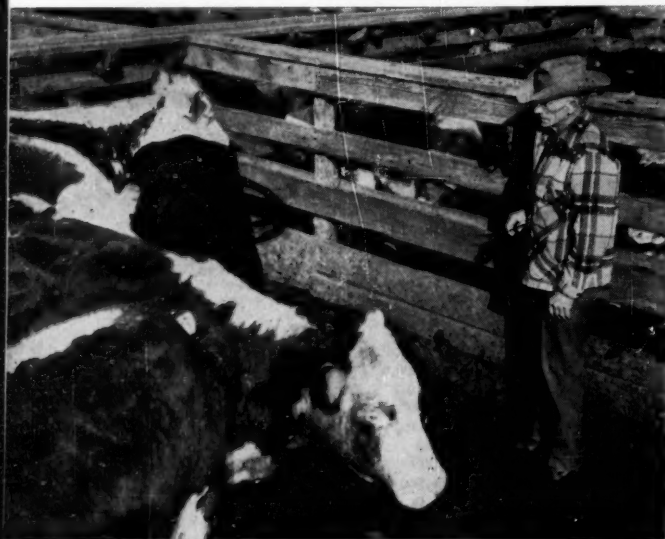
The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association, Henry Bell, Secretary, Fort Worth



Above: J. L. Stewart, field inspector, checks brands of cattle on a ranch.

Pictured below is A. H. Morrison, market inspector, checking brands of cattle received on a large Southwestern market.



for YOUR protection

FOR the protection of members against loss by theft or through the marketing of strayed cattle, the Texas and Southwestern Cattle Raisers Association employs a highly qualified, trained force of more than 70 market and field inspectors. Pictured are two inspectors, a field inspector and a market inspector, carrying out their work. The field inspectors travel extensively throughout their territories—ever watchful for any clue of thieves that may be operating in the area. The market inspectors check and record brands of cattle offered for sale at various markets. This service is only part of the protective services rendered by the Texas and Southwestern Cattle Raisers Association to its members. The complete protection and privileges of membership are available to all responsible cattlemen . . . large and small alike.

You are invited to apply for membership

HOW LITTLE IT COSTS!

The minimum yearly charge for Association membership is \$14.50 (based on 50 head).

If you are running 100 head in your herd—you would render 65 head (65% of herd) and your yearly dues would be \$16.45.

If you are running 200 head in your herd—you would render 130 head (65% of herd) and your yearly dues would be \$24.90.

These are just sample charges—complete information regarding charges for membership may be found in the application on next page, or get in touch with your nearest Association Inspector. Names and locations of all inspectors are listed on the reverse side of this page.



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Texas and Southwestern Cattle Raisers Association

Application for Membership

AGRICULTURE is an industry of many phases; livestock raising is among the most hazardous. In furnishing the beef of this nation the cattleman is confronted with problems which may be divided into two distinct classes, individual and common.

Individual problems are those which belong to each man separate and distinct from his neighbor or fellow industryman.

Problems of common interest are those which belong to the industry as a whole. Every cattleman knows that diligent attention must be given to matters involving legislation, marketing, finance, freight rates, meat consumption, and the like, the same as the individual must be concerned about feed, water, labor, and other ranch problems. Group action through organization alone furnishes the operating machinery for dealing with problems of common interest.

The necessity for organized effort has caused each industry to form its association. It brought into being organizations for labor and all other businesses. Livestock producers in every state or section formed representative bodies, and among the first was the Texas and Southwestern Cattle Raisers Association.

Membership is open to any cattle producer recommended by responsible parties. There are cattlemen and livestock farmers in every section of the Southwest who are not members but who should be and lend their support to the efforts of this organization in behalf of their industry.

Experienced inspectors are stationed on all the central markets to which cattle from Texas and neighboring states are ordinarily shipped. Upon authorization by a member proceeds of cattle bearing his brand are held, pending investigation, if the inspector believes that such cattle are being handled by unauthorized parties.

Field men are stationed at important range centers and inspect shipments, conduct investigations of losses by members, assist local officers in apprehending and capturing cattle thieves, and serve the membership in any way possible. An attorney furnished by the Association assists local officers in prosecuting parties indicted for theft from a member.

When filling out this application it is important that information as to marks and brands and range of cattle be as complete as possible. Draw your brands and marks on the cuts of animals on reverse side just as they appear on the cattle. Use a separate cut for each brand and state whether the cattle are of your own raising; or if bought, give the name and address of the party from whom you bought. Brands may also be recorded in the space for remarks. If a brand is a tally on bought cattle same will doubtless be in many marks and a "V" should be put in one ear and "M" in the other—indicating various marks.

Charges incident to membership are \$6 annual dues, \$2 subscription to "The Cattleman" (subscription to The Cattleman is optional), and an assessment of twelve cents per head per year on the number of cattle rendered, which number should be 65% of the actual number owned. There is also a voluntary assessment of 1 cent per head on the number of cattle rendered for the support of the National Live Stock and Meat Board. The minimum charge for membership with brand rendered is based on a rendition of 50 head, and even though you own less than 50 head, you are eligible for membership at the minimum charge. If you are now a subscriber to "The Cattleman," same will not be charged to your membership until present subscription expires.

The strength of any representative organization is entirely dependent on the support given it and the number of persons or the composite assets it is authorized to represent. The more members the Association has, the wider can be its scope of representation, and the more effective will be its endeavors.

19.....

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

Name.....

(Print Name)

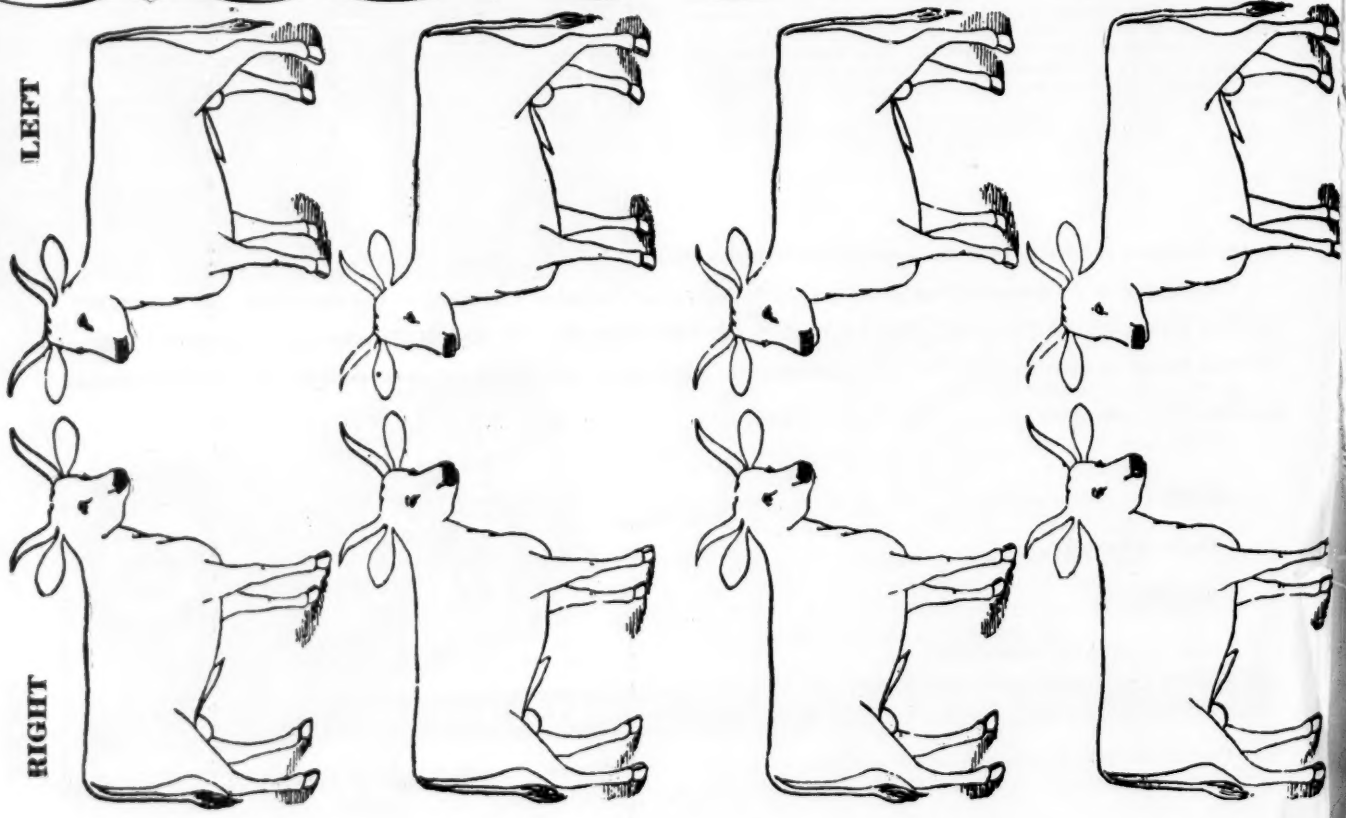
Ranch is located.....

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RANCH FOREMAN—Working manager for large or small ranch. Married, sober, age 32. Experienced in all phases of ranch management. Want permanent position with future prospects. Location no object. References. George F. Getz, 3314 Southland, Corpus Christi, Texas.

DOG WANTED—Male, one to two years old, a big dog, a cross between a Great Dane and German Police would be O.K. State price. Cogley's Hotel, Ashland, Kansas.

MAN with technical background and previous livestock experience in Latin America desires correspondence with anyone interested in financing commercial cattle operation in Costa Rica. Box 5-L, The Cattleman.

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FOR SALE—One tentative registered cutting mare, three years old, works well. Also three-year-old gelding, one large using mare. JACK RALEY, Valley Mills, Texas.

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BRANGUS—Registered 2 and 3-year-old Brangus, $\frac{1}{2}$ blood and $\frac{1}{4}$ blood Brangus bulls. All bulls from top quality registered stock of choice breeding. Kenneth Lacey, Sharon Springs, Kans.

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FOR SALE—Three registered Brahman bulls, seven Brahman-Angus crossbred bulls. Twelve registered and seven unregistered Brahman cows, some bred to Charolaise bull. C. L. Kinney, Blair, Okla.

WILL YOU NEED ANY BRAHMAN RANGE BULLS THIS YEAR? We have an excellent selection of two, three and four-year-old Registered Brahman Bulls ready for service on your commercial cows at prices from \$250 to \$400. These bulls are at our ranch at Barker, Texas, 23 miles west of Houston on Highway 90 (Katy Road). Write or call Stuart Sherar, Paddock Ranch Company, 1307 Esperson Building, Houston, Texas. Phones—Office CAPITOL 2812, Night JACKSON 3451. Ranch phone—Barker PRSident-4-2531.

GOOD ABBA registered Brahman bulls and heifers at reasonable prices. J. Carter Thomas, Phone 5-3264. Cuero, Texas.

SANTA GERTRUDIS

SANTA GERTRUDIS CATTLE, large group of first calf heifers, CLASSIFIED and proven breeders. Several Certified King Ranch Bulls to choose from. Write or call Landreth Farms, Route 1, Box 392, Edinburg, Texas. Phone DU3-3496.



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45,481 ACRE N. M. RANCH

This valuable ranch consisting of approximately 24,279 deeded acres, balance State Lease and Taylor Grazing is located in Catron County, N. M. Living quarters are minor however ranch itself has recently been very efficiently improved. The seven well fenced pastures, about twenty miles of new fence, are amply watered by eleven strong wells, steel towers and Aeromotor mills with steel tanks, numerous springs and four ten acre stock tanks costing \$25,000.

Partly rolling level and hilly country covered with native grasses mostly black grama supplemented by much chemisa and lambs quarter. Rated by Government experts to carry 536 Animal Units annually with this increased by continued range management. Good cow country but exceptional steer ranch particularly winter with permit much increased. Seventy thousand dollar Insurance Loan, originally \$115,000, can be assumed or increased.

Price \$170,000.00

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Southeastern Oklahoma

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Now Running As Paying Commercial Ranches

Western Slope—Excellent Free Water Rights from large fishing stream running through hay meadows. Two modern houses. Large corals and sheds. Forest permit for 340 head cows. Price reduced to \$127,000.

Eastern Slope close to Continental Divide. Now running over 400 head all ages. Three sets modern improvements. Very fine spring fed and sub-irrigated pastures. Beautiful Hay Meadows. Large line machinery. Price \$150,000 for ranch and machinery. Cattle at market.

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WITH HOWARD C. WILSON AGENCY
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Phone ME1rose 3-3046
(After hours res. phone ME1rose 2-7846)

MISSISSIPPI'S TOP RANCHES

The following ranches are two of Mississippi's finest. If you are looking for the best, you must see these two.

1429 acres with beautiful new home, all fenced into 17 different pastures, all well watered and all in fine seeded pasture. It is a complete walkout with 350 head of cows and bulls, full working equipment and a home two years old that cost \$50,000.00. It is ideal country living; located at Columbus, Miss. in the fine cattle country of East Mississippi.

3,500 acres at Port Gibson, Mississippi; approximately 2,700 acres in excellent tame pasture. Noted for its production of white clover seed both for quantity and quality; fencing and cross-fencing in excellent condition; NEVER FAILING WATER SUPPLY. Live stock can be bought with part of equipment. Improved with 8 room attractive home.

These properties are the finest we ever offered and are priced to sell.

References; Any bank in Memphis.

NEELY BOWEN, REALTOR

Sterick Bldg., Memphis, Tenn.

or Vardaman Moore, Cleveland, Miss. Cooperating Broker

RANCHES—FARM LANDS

**SOUTHERN COLORADO
PLAINS RANCH**

Mild Winter Area

22,000 acre, well-blocked ranch in a good location. Well soddied with grama, buffalo and western wheat grass. 20,000 acres deeded, balance state, federal and private lease. Adequate improvements include a modern house and new corrals. Here is an opportunity to buy a ranch with good grass, water and winter protection in a 16-inch rainfall area for only \$13 per acre for the deeded land.

TOP CATTLE RANCH

For 1,000 Cows

Fine location in North Park, Colorado. Railroad stockyards on ranch. 2,500 acres irrigated meadows, plus 1,000 acres irrigated pastures. 7,500 acres in all, and Taylor Grazing Permit. World of irrigation water. Grizzly Creek through ranch. Very good buildings with modern owner's lodge. Compact, economical operation. Long-term loan for \$100,000 can stand. Write for pictorial brochure.

Van Schaack Land Company

624 Seventeenth Street
Denver 2, Colorado
AComa 2, 1661

1933 Acres, 700 bottom, owner runs 550 cattle, is not eat down, wonderful improvements, plenty running springs, can get an abundance of water at eight feet. 7 1/2 miles hog wire. 1/3 royalty, produced 1800 bales Alfalfa. \$50.00 per acre, also other ranches. Tune-Baker Real Estate, Ada, Oklahoma.

**BLACKBELT CATTLE AND SHEEP
RANCHES**—10 clovers and grasses, 3 acres to cow. Ernest F. Randall, Selma, Ala.

For information about the
Texas and Southwestern Cattle Raisers
Association contact

Henry Bell, Secretary
410 East Weatherford, Fort Worth.

RANCHES—FARM LANDS

FLAT CREEK RANCH

OVER 3,000 ACRES

On account of the death of the owner, widow wishes to sell. One of the finest ranches in the state of Arkansas. Black alluvial soil rich in lime with clay subsoil. Lies level to slightly rolling, no hills, rocks or waste land, in the valley of two large creeks—Flat and Stinnett creeks. Most all open and in the very best type of improved pastures. A few scattered trees left for shade and beauty with 80 acres virgin timber. All fenced and cross-fenced with 2 miles white Ky. fencing along the highway. Live year around water in all pastures. Average temperature 62°, average rainfall 55 in. All improvements high class. Main dwelling over-looking the ranch. 4 other dwellings. One \$15,000 show barn, other barns, shop, store, etc., all same as new. Lake? Sure. 35 acres well-stocked bass and blue gills. Located 100 miles north of Memphis on state highway just off 63 highway near Black Rock, Ark. Price \$200,000 with \$100,000 cash, balance 5% or \$275,000 walk-out with \$175,000 cash. Immediate possession. Good manager and help may be retained if desired. 15 registered Polled Hereford bulls, cost up to \$35,000 each; 85 registered cows with calves, 90 high-grade cows with calves, 1,500 sheep, plenty equipment—tractors, hammer mill, saw mill, one new D. 8 Cat., etc. This place has and will carry 1,000 year around.

B. A. WELLS, Realtor

2065 Union, Memphis, Tenn.
Tel. 7-6810 Sole Agent

BEAUTIFUL Bar Fork Ranch on Crystal River, western slope. 440 acres. Make 300 tons hay while grazing 150 cattle. Two sets bldgs., big houses, barns, excellent condition, sheep fenced. \$125,000. Write owner, Box 297, Carbondale, Colorado.

REMARKABLE FOOTHILL RANCH, SOUTH DENVER—Capacity 1,000 cows. De luxe improvements. Suitable reg. herd or grade cattle. Write for details. Bob Manuel, Colorado, Texas.

Colorado Springs, available June to September. 4 bedrooms, 3 baths mansion completely furnished except for utilities. Located 4 blocks from Broadmoor Hotel. \$3,000 for season, pictures and information at New London Realty, 1914 W. Cucharas, Colorado Springs, Colorado. Telephone: ME 42044.

RANCHES—FARM LANDS

COLORADO BOUND

Look—8,800 acres near Colorado Springs, at foot of Rocky Mtn. Rng. Bring your Geiger Counter (URANIUM POSSIBILITIES UNLIMITED). Collecting corrals & new bunk house. Fenced. Must sell to close estate. Price \$12 per acre.

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Colorado Springs, Colorado

FOR SALE

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Large comfortable home with all modern conveniences; three bedrooms, three baths, beautiful surroundings with 20 acres of large oak and pine trees; three tenant houses, good barns on paved road. Milk house with deep freeze, also laundry with modern equipment and storage all constructed of tile.

Only reason for selling, owner has business in another section of State. Write or call owner, Homer Adkins, Route 4, Malvern, Arkansas, or come to see the most livable home in State. Priced to sell.

Mr. Large Cattle Rancher

Why not own a large grain farm and finish your own cattle for the prime market. I have for sale a large 10,000-acre grain farm in Southern Illinois; just 75 miles from St. Louis, Mo. Almost all tillable, 31 Sets of Improvements, one Master Set of Improvements, Large Grain Elevator, Alfalfa Dehydrating Plant, Irrigation System to ward off drouths, 11 miles black top roads on farm, well drained. It will grow enough grain to feed out several thousand head of cattle. Grows 125 bushels corn to the acre, 40 bushels wheat, 40 bushels soy beans, 75 bushels oats, three tons alfalfa hay per acre.

Present owner sick and wants to sell, but will not subdivide. Can be subdivided and one-half million dollars could be made on the transaction.

Price \$2,500,000.00, or \$250.00 per acre. Most of this farm would bring \$325.00 per acre if subdivided. Some over \$400.00 per acre. It is now rented to several tenants and the income is well over \$500,000.00 per year. One-half cash, balance long-term loan.

N. E. BREAR, Agent
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RANCHES—FARM LANDS

OPPORTUNITIES IN RANCHES AND STOCK FARMS

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SOUTH FLORIDA Ranch, Farm and Grove Acreage, large and small tracts. Robert L. Harris, Broker, P. O. Box 926, Fort Pierce, Florida.

COLORADO SPRINGTIME

600 COW MOUNTAIN RANCH, west of Colorado Springs. Located on paved highway just 4 mi. from town. Two sets modern improvements. 750 acres hay meadows, plus 1,200 acres irrigated pasture. Total deeded and leased—10,318—plus Forest Permit for 108 cows. Two fine fishing streams. Price with extensive machinery \$265,000.00. Terms—29% down. Cattle can be purchased, if desired.

EXECUTIVE RETREAT. Beautiful property only 40 minutes from downtown Colorado Springs. Magnificent improvements include large lodge, sleeping house, owner's house, horse barn, boat house, 3 cottages, all furnishings, etc. Two lakes provide best fishing in Colorado. Also, wonderful big game hunting. 120 deeded acres, with 255 leased. Would make excellent private club, camp, or dude ranch. Price \$160,000.00. Terms.

BURGHART-HATTON, Realtor

506 Exchange National Bank Building
Colorado Springs, Colorado
Phone MEIrose 4-3531

2572 acres—Artesian water, creek; summer-winter pastures. About 25 miles fencing. 1800 white faced steers. Modern, fine ranch house, sheds, etc. Write H. H. Hansen, Macon, Miss.

RANCHES—FARM LANDS

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ATTENTION CATTLEMEN

955-acre northeast from Dallas, about three-fourths of this land is in the river valley, balance good up land. On a good road. Has lake and river water, also it has about 600 acres that is excess land cut off by the river that is used by this place only. 640 acres is leased with this land making over 2000 acres in all. The 955 acres is \$85.00 per acre.

2450-acre stock farm in Mississippi, in the prairie country, the soil is heavy black mixed land nearly level. It is well improved and watered. The fences are good. Will sell the land or will sell with all the cattle and implements with the land it is carrying nearly 900 head of cattle, of which is 200 head Black Angus, 60 head of which is prize winning cattle. This is a good sheep country. I have personally inspected this land and know that they are the best of buys. 1624-acre in Henderson County, Texas. A real stock farm, plenty running water. Good fences. \$35.00 per acre. We have other places some large some smaller. The east is the cattle country.

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The



**Connecticut
Mutual**

LIFE INSURANCE COMPANY • HARTFORD

THE CATTLEMAN INDEX

VOLUME XLI, JUNE 1954-MAY 1955

KEY TO ABBREVIATIONS

ABBA—American Brahman Breed-
ers Association
Ag—August
AM—American
ance—ance
annl—annual
Ap—April
AQHA—American Quarter Horse
Association
AQRA—American Quarter Racing
Association
Assn—Association
asst—assistant
BAI—Bureau of Animal Industry
biog—biography
CCC—Commodity Credit Corpora-
tion
cf—county fair
champ—champion
chm—chairman

com—committee
comm—commercial; commission
conv—convention
D—December
dept—department
descrip—description
dir—director(s)
dist—district
expo—exposition
ext—extension
F—February; fair
gen—general
govt—government
hdq—headquarters
husb—husbandry
il—illustrations
inc—incorporated
insp—inspector
internatl—international
intro—introduction

Ja—January
Je—June
Jy—July
lab—laboratory
Mr—March
My—May
N—November
natl—national
NQHBA—National Quarter Horse
Breeders Association
O—October
obit—obituary
pic—picture
pix—pictures
port—portrait
pres—president
rep—representative
S—September
secty—secretary
sf—state fair

soc—society
stat—statistics
supr—supervisor
supt—superintendent
treas—treasurer
TSCRA—Texas and Southwestern
Cattle Raisers Association
univ—university
US—United States
USDA—United States Department
of Agriculture
vet—veterinary

sample title: **QUARTER HORSES**
—Comanche, Florence Fenley, il
S54:42. An illustrated article en-
titled Comanche, written by Flo-
rence Fenley, will be found in The
Cattleman of September, 1954,
page 42.

ABBOTT, GEORGE (Dimmitt, Texas)

—obit. D54:70

ABBOTT, PRESS

—pic, XIT cowhands meet, Mary W. Clarke, il
O54:38

ABBOTT, RALPH

—pic, riding herd on Benton comm cattle Je54:25

ABERDEEN-ANGUS CATTLE

—comm, Angus in Montague county Je54:23

—they're looking forward to a "black" future,
Prudence Waddock, Am. Aberdeen-Angus assn.,
il Je54:70

—Angus make rapid strides in Texas, Henry
Moore, pic Je54:74

—Texas A&M gets prize Angus bull Je54:139

—Hunsecker sale stopped Je54:75

—Prince Sunbeam 249th is dead Je54:86

—better beef from better quality Angus feeders,
il O54:86

—Texas one of nation's leading Aberdeen-Angus
states N54:140

—another record year for Angus assn. N54:144

—pic, neck chain on heifer presented to Pres.
Eisenhower D54:84

—Tommy Brook is pioneer in showing Aberdeen-
Angus in southwest Ja55:148

—strong demand for Angus bulls reflected in
1955 sales Ap55:142

ABERDEEN-ANGUS CATTLE—PICTURES

—comm, Angus cows, THE CATTLEMAN COVER

Je54: Joe Benton herd Je54:23; McCall Co.

herd Je54:23; comm, cows and calves on Don

Peterson ranch Je54:25; sires on Couey ranch

Je54:26; cattle on bare ranges, yearling heif-
ers, calves, two-year-old heifers, part of spring

calf crop on Couey ranch Je54:27; reserve

grand champ, junior show, 1954 southwestern

expo Fort Worth Je54:70; Blackcap Bessie 9th

of Essar Je54:70; Miss Blackcap SA 102nd

N54:132; Homeplace Blackcap 102nd N54:132;

KF Bardolier N54:134; Banner of West Wood-

lawn N54:134; Barbarosa 406th of SAF N54:

147; Tommy Brook with champ. bull and fe-
male at southwestern expo, Fort Worth,

Ja55:148; Blackbird Progress E & B 9th

F55:112; Bandolier 533rd of Wilton F55:113;

Royal Essar 52nd F55:116; Prince Peer RLS 15

Mr55:79; Paulimere T Mr55:80; Bonnie Queen

RLS Mr55:96; Shadow Isle Prince Mr55:98;

Prince Peer 15 Mr55:98; Prince 105 SAF

Mr55:135

ABERDEEN-ANGUS CATTLE—SHOWS

—breeders from 17 states compete in Aberdeen-
Angus futurity S54:168; north plains f

S54:187; central east Texas O54:56; tri-state f

O54:88; Midlothian f O54:127; Missouri f

O54:148; Wisconsin f O54:143; Iowa sf

O54:144; Illinois f O54:144; Ohio f O54:145;

Colorado sf O54:146; Ozark empire f O54:146;

Kansas free f O54:146; Nebraska f O54:147;

east Texas f O54:152; heart o' Texas f N54:100;

Kansas sf N54:108; Arkansas sf N54:108; Tulsa

sf N54:112; Pan-American livestock expo N54:

117; American royal livestock expo N54:134;

Anderson county f N54:149; Gregg county fair

N54:147; south plains f N54:153; Oklahoma sf

N54:157; natl Aberdeen-Angus N54:160; grand

natl D54:78; Louisiana sf D54:102; internatl

Ja55:142; Dixie natl Ja55:166; Bourbon beef

Ja55:176; Arizona natl F55:74; natl western

F55:112; southwestern expo Mr55:79; Houston

fat stock show Mr55:96; San Antonio livestock

expo Mr55:144; Austin livestock show Ap55:

100; LSU spring livestock show Ap55:110; San

Angeles Ap55:135

ABERDEEN-ANGUS TRANSACTIONS (column)

—Je54:69; Jy54:79; Ag54:150; O54:130; N54:

146; D54:84; Ja55:135; F55:116; Mr55:166;

Ap55:107; My55:153

ABERNATHY RIDING CLUB

—pic, sheriff's posses and riding clubs organize,

Frank Reeves, il S54:34

ACEVES, JOSE

—cattle grazing in Mexico, 1720, THE CATTLE-

MAN COVER Ap55

ADAMS, JAMES E.

—dean of Texas A&M school of agriculture

My55:89

ADDINGTON, GEORGE

—joins staff Universal Mills Mr55:111

ADKINS, W. G.; SKRABANEK, R. L.

—Texas farm population down My55:138

AGRICULTURE

—Bahamas gov issues modern agriculture stamp

D54:38

AGRICULTURAL RESEARCH CENTER

—does a break in growth hurt beef calves?

Je54:107

—indispensable protein Jy54:63

AHKEAH, SAM

—pic, Navajo tribal chn Mr55:34

AIKEN, H. L.

—pic, receiving trophy from Jack O'Donohoe

D54:60

ALAMO SANTA GERTRUDIS BREEDERS ASSN

—pic, officers Mr55:160

—Morris heads Mr55:184

ALDRICH, ROY W. (Austin, Texas)

—obit Mr55:130

ALEDO FEED LOTS, INC.

—Texans fattening more beef cattle, il O54:37

ALEXANDER, TE

—pic, pres, Texas Hereford assn. Ag54:41

ALEXANDER, MRS. TED

—pic, west Texas Hereford assn tour Ag54:42

ALFORD, CHARLIE

—pic, cowboys put their trust in horses, Mrs. R.

L. Duke, il S54:47

ALLEN, HERMAN

—pic, dir Texas Aberdeen-Angus assn Mr55:165

ALLISON, MRS. WILLIAM (Marfa, Texas)

—obit O54:107

ALLRED, B. W.

—review of Burl Ives' tales of Am F55:144

ALTIZER, JIM BOB

—pic, Del Rio's Jim Bob, Willard Porter, il

Je54:31

AMERICAN ABERDEEN-ANGUS BREEDERS ASSN

—a quick look at cow country in Latin Am, Milt

Miller, il Je54:28

—they're looking forward to a "black" future,

Prudence Waddock, il Je54:70

—issues new rulings on artificial breeding Jy54:

100

—breeders from 17 states compete in Aberdeen-

Angus futurity S54:168

—Texas one of nation's leading Aberdeen-Angus

states N54:140

—another record year for Angus assn N54:144

—lowan joins staff on Pacific coast D54:107

—Spitzer new pres Ja55:176

—strong demand for Angus bulls reflected in 1955

sales Ap55:142

—housing facilities announced My55:110

—new Aberdeen-Angus motion picture My55:136

—Angus assn resents Danish system of judging

My55:143

—board rules on two important questions My55:

148

AMERICAN APPALOOSA ASSN

—Young new pres Ja55:131

AMERICAN BANKERS ASSN

—cattle prices will remain about level during 1955,

panel predicts Ja55:7

AMERICAN BEEF CATTLE PERFORMANCE REGISTRY ASSN

—propose My55:97

AMERICAN BRAHMAN BREEDERS ASSN

—2nd large exportation of Brahman to Israel

Je54:105

—Brahman news O54:137

—adds 51 new members D54:96

—Brahman exports exceed 200 per month D54:102

—Brahman exports increase sharply in 1954 Ja55:

166

—Am Brahman defined Ja55:182

—pic new officers Mr55:162

—White heads Mr55:162

—registered 17,000 cattle in 1954 Mr55:162

—Brahman cows 15 years old still producing

calves My55:31

—producing comm calves by crossbreeding with

Brahmans, Lloyd Clyburn, il My55:102

—Herbship now totals 2,144 My55:110

AMERICAN BRANGUS BREEDERS ASSN

—Brangus breeders encouraged to show their cat-

tle Ja55:183

—Daniel re-elected head Mr55:164

AMERICAN CHARBRAY BREEDERS ASSN

—Askew heads, pic Mr55:181

—first Charbray cattle exported from U. S. Ap55:

123

—Charbray cattle to be in movies My55:123

AMERICAN CHAROLAISE BREEDERS ASSN

—Askew heads, pic Mr55:181

AMERICAN DEHYDRATORS ASSN

—dehydrated alfalfa valuable in livestock rations

Je54:108

—green feeds for greater profits Ja55:120

—dehydrated alfalfa feeding, R. C. Elrod and J.

W. Hayward Ja55:184

AMERICAN FARM BUREAU FEDERATION

—beef is not all steak Ja55:195

AMERICAN FOUNDATION FOR ANIMAL HEALTH

—no need for mass hysteria over leptospirosis

Jy54:87

—farmers warned to watch poisonous materials

Ag54:120

—animals' teeth need occasional check D54:58

—hyperkeratosis no longer a disease threat

M55:76

AMERICAN HEREFORD ASSN

—a monument to Herefords, il Ag54:31

—boosts membership to 24,068 Ag54:86

—Jack Turner resigns as secty N54:122

—pic, Hereford bull being hoisted to top of Am

Hereford assn building N54:124

—7 Texas breeders join D54:36

—raises fee for transfers D54:62

—schedules for registering imported Herefords re-

vised D54:64

—adds 253 new members F55:101

—adds 164 new members Ap55:122

—7 bulls and 12 females added to Hereford regis-

ter-of-merit Ap55:136

—additions made to register-of-merit My55:92

AMERICAN JERSEY CATTLE CLUB

—D. T. Simons heads Jy54:32

AMERICAN MEAT INSTITUTE

—record meat production expected Ag54:144

—meat packers promote beef O54:111

—looking ahead with livestock and meats, Wesley

Hardenbergh Ap55:76

AMERICAN NATIONAL CATTLEMEN'S ASSN

—Hobart reports on agricultural trade mission to

Asia, pic Ag54:40

—selling their product—beef, Jay Taylor, il O54:33

—cattlemen can promote beef consumption, Lyle

Liggett, il O54:36

—highlighting the iron of beef cattle research, Alan

Rogers D54:79

—beef fact-finding committee formed Ja55:82

—annl meeting F55:98

—opportunities in appetites, Jay Taylor F55:143

—the Am cattleman and the Am way, Earl L.

Butz F55:160

—organization of natl beef council making prog-

ress Mr55:173

—change or bust, Jay Taylor Ap55:70

AMERICAN POLLED HEREFORD ASSN

- Polled Hereford brochure Je54:112
- causes ruling on registering calves D54:62
- John R. Royer, Jr. pres D54:76
- rescinds six-month registration rule F55:100
- simplifies Polled Hereford registration rules Ap55:75

AMERICAN QUARTER HORSE ASSN

- Orville Burtis re-elected pres Je54:109
- Goodson new pres My55:93

AMERICAN SHORTHORN BREEDERS ASSN

- Harold W. Thieman heads Ja55:166
- George Hull joins staff My55:70

AMERICAN SOCIETY OF ANIMAL PRODUCTION

- Dr. J. I. Miller of Cornell University heads Ja55:102

AMERICAN VETERINARY MEDICAL ASSN

- foot-and-mouth disease threat requires vigilance Je54:69
- water helps keep cattle healthy Je54:113
- grub control program must be well planned Je54:121
- screwworms are summer menace to livestock Jy54:109
- photo-sensitization is summer hazard to livestock Ag54:60
- atomic rays held blameless in cattle deaths Ag54:75
- hot weather may cause heat stroke in livestock Ag54:86
- anthrax under foot S54:186
- parasitism in cattle growing in southeast O54:72
- vaccine for blue tongue O54:78
- hormones may stimulate gains in livestock O54:84
- John's disease O54:85
- livestock conservation, inc. O54:92
- spur brucellosis fight O54:104
- mucosal disease new threat to cattle O54:167
- veterinarians fight threat of foreign animal diseases N54:42
- cattle bloat has scientists baffled N54:174
- hemorrhagic enterotoxemia N54:181
- cattle raisers alerted against calf coccidiosis D54:82
- see threat of anthrax spread in midwest D54:96
- winter calf dysentery may take heavy toll Ja55:126
- vaccination of cattle against rabies studied Ja55:131
- vitamins A and D in short supply during winter Ja55:197
- cattle poisoned by variegated thistle Ap55:68
- control cattle parasites and boost profits Ap55:74
- mineral shortage may cause chewing My55:60

ANDERSON, R. J.

- pic, head animal disease eradication, USDA Ap55:21

ANDERSON, ROBERT B.

- receives Harris award Je54:97

ANDERSON, STANLEY E.

- pic, coach nail western champs F55:159

ANDREWS, GEORGE

- pic, Pickens county cowpunchers assn's annl meeting Jy54:23

ANDREWS, GEORGE F.

- pres, Kans livestock assn My55:84

ANXIETY HEREFORD BREEDERS ASSN

- G. P. Mitchell new pres Ja55:96

APPALOOSA HORSE PICTURES

- Quannah Ja55:94; Chief Good Eagle Ja55:126; He-Topa Ja55:128

APPALOOSA HORSES—SHOWS

- champs at natl Appaloosa show O54:126

ARABIAN HORSES

- Arizona Arabian stallion champ at Dallas O54:55

ARABIAN HORSES—SHOWS

- Houston Jy54:83; Dallas O54:55

ARKANSAS HEREFORD ASSN

- elect Bill Seeger pres Ja55:94

ARLEDGE, HENRY

- pic, west Texas Hereford assn tour Ag54:41
- Texas Hereford breeders elect Mr55:121
- pic with grand champ steer, Abilene My55:84

ARLEDGE, MRS. HENRY

- pic, west Texas Hereford assn tour Ag54:42

ARLEDGE, ROY

- pic with grand champ steer, Abilene My55:84

ARMOUR & CO.

- Repetto retires from O54:128
- Wentworth retires after 35 years with O54:153

ARMSTRONG, HOWARD

- pic, at chuck wagon Mr55:33

ARMSTRONG, J. W.

- pic, XIT cowhands meet, Mary W. Clarke, il O54:38

ARMSTRONG, MRS. J. W.

- pic, XIT cowhands meet, Mary W. Clarke, il O54:38

ARMSTRONG, JOHN

- Santa Gertrudis cattle to South Africa Ag54:162
- pic, dir Santa Gertrudis Breeders Internatl D54:99

ARMSTRONG, MEL

- pic, VIT cowhands meet, Mary W. Clarke, il O54:39

ARRAMOUSPE, CORONA

- pic, boots and cigar race champ, New Mexico high school rodeo Ag54:148

ARTECOMA, G. L.

- 2 photos for U. S. Brahman breeders benefiting from rapidly expanding foreign trade, Roger B. Letz, il My55:25

ASKEW, A. M.

- pic, heads Charolaise and Charbray assns Mr55:181

ASKEW, W. A.

- pic, XIT cowhands meet, Mary W. Clarke, il O54:38, 39

ATKINS, JOHN H.

- pic, winner old-timers calf roping, Texas cowboy reunion Ag54:126

ATKINSON, LEE

- pic, west Texas Hereford assn tour Ag54:41

ATKINSON, MRS. LEE

- pic, west Texas Hereford assn tour Ag54:42

ATOMIC RAYS

- held blameless in cattle deaths Ag54:75

AUSTIN, BARBARA

- pic, with grand champ steer, junior division, natl western stock show F55:110

AUSTIN, STEPHEN F.

- was a cowman, too, Mary W. Clarke, il Mr55:32
- pic, painted in Mexico Mr55:32
- pic, old Spanish brand Mr55:32
- pic, small frame house covering original logs in 2 remaining rooms of old peach point plantation Mr55:63
- pic, Austin's oak tree Mr55:65

AUSTRALIA

- Australian Santa Gertrudis breeders organize My55:64

AUTRY, FRANK

- Oklahoma qh men elect pres D54:110

AXTELL, DWIGHT (Panhandle, Texas)

- obit Ag54:108

BACON, R. J.

- phenothiazine in the control of internal parasites of beef cattle Ja55:160

BAHAMAS, THE

- modern agriculture stamp D54:38

BAILEY, J. W.

- your veterinarian says . . . five causes of "hidden hunger" Je54:119
- your veterinarian says . . . lumpjaw in cattle Ag54:142
- your veterinarian says . . . use your watch and a thermometer O54:159
- your veterinarian says . . . those "downer" cattle D54:88
- your veterinarian says . . . about lightning stroke Ja55:108
- your veterinarian says . . . about cattle lice F55:133
- your veterinarian says . . . those sudden deaths of cattle My55:90

BAKER, A. L.

- joins Woodward station staff O54:106

BARBY, OTTO (Knowles, Okla.)

- obit, pic S54:169

BARCLAY, CURT

- pic, palmetto polo, Joe Heflin Smith, il S54:48, 49

BARKER, S. OMAR

- report card cattle, il Ag54:47

BARKLEY, M. F. (Graver, Texas)

- obit Ag54:102

BARLOW, HENRY COLLINS (McKinney, Texas)

- obit Mr55:132

BARNARD, H. G.

- pic, annl meeting Osage county cattlemen's assn Ag54:36

BARNANTES, GILBERTO

- pic with Dr. Ramono Orlich and J. T. Garrett My55:24

BARRET, WALTER

- pic, west Texas Hereford assn tour Ag54:42

BASKIN, B. J.

- pic, central Texas Polled Hereford tour Jy54:31

BATES, QUENTIN R.

- Columbia breeders buying U.S. cattle Ja55:189

BAUER, J. D.

- social security for farm employees, il N54:34

BAUGHMAN, J. L.

- a vanishing Texan, il D54:25
- the cattle industry of Guanacaste, Costa Rica, il F55:20

BAUMAN, DAN (Harris county, Texas)

- obit F55:128

BEAVERS, J. M.

- pic, Pickens county cowpunchers assn's annl meeting Jy54:24

BEEFMASTER CATTLE

- recognized as breed by USDA Ag54:169

BEGGS, WILL (Snyder, Texas)

- obit Ap55:28

BELCH, T. E.

- pic, XIT cowhands meet, Mary W. Clarke, il O54:38

BELDEN, CHARLES J.

- horse race vendetta, il S54:36

BELL, H. M.

- Texas ranges and the drouth, il S54:46

BELL, HENRY

- pic, Pickens county cowpunchers assn's annl meeting Jy54:22
- pic, sixty-year murr TSCRA Ap55:19

BELL, MARSHALL LEE (El Paso, Texas)

- obit F55:125

BELL RANCH

- report card cattle, S. Omar Barker, il Ag54:47

BENEFIELD, H. W.

- pic, cook for Odessa chuck wagon gang O54:35

BENIGHT, W. W.

- pic, Pickens county cowpunchers assn's annl meeting Jy54:24

BENNETT, MILT

- pic, on Snooky Ap55:143

BENTON, JOE

- pic, pres north central Aberdeen-Angus assn Je54:25

BERNSTEIN BROTHERS

- in process of liquidating Jy54:85
- located in Pueblo Ag54:169

BETHKE, R. M.

- new developments in beef cattle feeding My55:94

BEVERLY, BOB

- Ab Blocker's first train, il Je54:80
- thoughts of long ago, il N54:56
- checking the old landmarks Ap55:33
- comments on "great roundup" Ap55:115
- old-time waddle man of few words My55:52

BICKETT, E. W.

- announces officials of San Antonio stock show D54:66

BIEDERMAN, HENRY

- the cattleman's corral Je54:12; Jy54:12; Ag54:14; S54:12; O54:10; N54:16; D54:16; Ja55:20; F55:12; Mr55:16; Ap55:16
- pic, TSCRA conv Ap55:28; My55:20

BIFFLE, JAKE G. Jr.

- creep feeding calves, Pierce Shannon, il My55:38

BIFFLE, JAKE G. Sr.

- creep feeding calves, Pierce Shannon, il My55:38

BIFFLE, VIRGIL

- pic, Pickens county cowpunchers assn's annl meeting Jy54:22, 24

BIGGERSTAFF, STEVE

- pic, at chuck wagon Mr55:33

BIGGS, JOHN

- pic, 1st vice-pres TSCRA Ap55:19

BIGHORN SHEEP

- a vanishing Texan, J. L. Baughman, il D54:25
- plans made to increase Ja55:184

BIVINS, JEFF

- pic, palmetto polo, Joe Heflin Smith, il S54:48, 49

BLAIR, E. G. (Texico, N. M.)

- obit My55:66

BLAIR, MRS. LESTER

- pic, central Texas Polled Hereford tour Jy54:31

BLANKENSHIP, ROSCOE

- pic, west Texas Hereford assn tour Ag54:43

BLANKENSHIP, MRS. ROSCOE

- pic, west Texas Hereford assn tour Ag54:43

BLANKS, NORTH

- pic, XIT cowhands meet, Mary W. Clarke, il O53:38

BLASINGAME, IKE

- another last Indian fighter D54:91

BLIZZARD, WARREN LALE (Stillwater, Okla.)

- obit Ag54:102

BLOAT

- bloat, a new solution? il Ag54:58
- new chemical may be solution to frothy bloat S54:187
- has scientists baffled N54:174

BLOCKER, AB

- Ab Blocker's first train, Bob Beverly, il Je54:80
- pic, astride his favorite horse Je54:80
- he knew Ab Blocker, C. H. Booth, Manvel, Texas Ap55:144

BLOMQUIST, FRAN

- heads I.R.A. F55:105

BLOODGOOD, DORTEY; SIMS, GROVER J.

- Latin Am livestock numbers My55:12

BLY, G. C.

- pic, Pickens county cowpunchers assn's annl meeting Jy54:22

BONNER, W. T.

- pic, TSCRA conv Ap55:144

BOOK REVIEWS

- the Chisholm trail, Wayne Gard Je54:124
- livestock prices, agricultural research dept., Swift & Co. Je54:124
- more water for Texas, Walter Prescott Webb Je54:124
- animal breeding, Laurence M. Winters Je54:124
- Texas range ranges, B. C. Tharp Je54:124
- six-guns and saddle leather, Ramon E. Adams Jy54:82
- songs of the saddlemen, S. Omar Barker Jy54:82
- beef cattle breeding and management, W. A. Beattie Jy54:83
- the buffalo hunters, Mari Sandoz O54:166
- the big ranch country, J. W. Williams D54:112
- the day of the cattleman, Ernest S. Osgood D54:114
- beef cookery book, Mrs. Clyde Carlisle D54:114
- the schooling of the western horse, John Richard Young D54:115
- Texas tradition, Ross Phares Ja55:184
- frontier legend, W. N. Bate Ja55:184
- 1955 Ford almanac Ja55:184
- dehydrated alfalfa feeding, R. C. Elrod and J. W. Hayward Ja55:184
- Burl Ives' tales of Am, reviewed by B. W. Allred F55:144
- farmers social security guide F55:144
- the luck of lost canyon, C. M. Blasingame F55:144
- house of the rancher, May Neatherton F55:146
- of land, water and growing crops, Caterpillar tractor co., F55:146
- great roundup, Lewis Nurdyke, reviewed by J. Frank Dobie Mr55:189
- the Indian and the horse, Frank Gilbert Rce My55:108
- the stockman's handbook, Dr. M. E. Ensminger My55:108

BORGUM, LINCOLN

- the ideal Hereford bull, il Ag54:74

BOUGHTON, D. C.; BACON, R. J.

- phenothiazine in the control of internal parasites of beef cattle Ja55:160

BOULDIN, DAVID WOOLRIDGE

- (Carriazo Springs, Texas)

BOWMAN, ED

- men of the range, Ross Santee N54:51

BOYDSTUN, WES

—pic, Pickens county cowpunchers assn's annl meeting Jy54:22

BRADEN, PAUL

—pic, surveying shallow trench silo Jy54:25

BRADFORD, CLYDE

—Angus do well at Pan-Tech test and sale Jy54:139

—pic, breeder grand champ steer of Ag of Texas N54:116

—heads OK&T Angus assn Ap55:100

—pros Am beef cattle performance registry assn My55:97

BRADLEY, BILL

—pic, master of ceremonies, Pickens county cowpunchers assn's annl meeting Jy54:21, 22, 23

BRADLEY, HELEN

—pic, sons of Florian, Georgia McKinley, il S54:51

BRADLEY, PAT

—pic, Pickens county cowpunchers assn's annl meeting Jy54:22

BRAHMAN CATTLE

—2nd large exportation of Brahmins to Israel Jy54:105

—Brahman crossbred dresses 71.2 per cent Jy54:110

—ABBA adds 51 new members D54:96

—Brahman exports exceed 200 per month D54:102

—Brahman exports increase sharply in 1954 Jy55:166

—Hudgins ranch is pioneer exhibitor of Brahman cattle, il Ja55:167

—Am Brahman defined Ja55:182

—ABBA registered 17,000 cattle in 1954 Mr55:162

—U. S. Brahman breeders benefiting from rapidly expanding foreign trade, Roger B. Letz, il My55:23

—cows 15 years old still producing calves My55:31

—producing comm calves by crossbreeding with Brahmins, Lloyd Clyburn, il My55:102

—Dallas Brahman show to offer \$6,000 in prizes My55:107

—5,000 Brahmins to Venezuela My55:113

BRAHMAN CATTLE—PICTURES

—JDH Aristocrat Manso 666/6 N54:145; Burke's Jaceto Highlander 1st N54:152; JDH Lady Rex A Manso 41/6 N54:156; champ on J. D. Hudgins ranch Ja55:167; HCB Miss V Pride Noble 7 Mr55:102; JDH Rex Aristocrat Manso Mr55:102; JDH Aristocrat Manso 666 Mr55:163; JDH Rex A Manso 41/6 Mr55:163

—Brahman bulls on way to South America My55:23; Brahmins from Pecan Acres ranch on way to Thailand My55:24; bull being sold to Dr. Ramon Orlich My55:24; heifer on way to Venezuela My55:24; herd of Inter-Am Institute of agricultural sciences, Turrialba, Costa Rica My55:25; on their way to Venezuelan pasture My55:31; aged steers out of native Spanish type cows and by Am Brahman bull My55:102; a first-cross Brahman-Jersey cow My55:102; productive cow and big calf—Brahman-English type My55:106; first-cross Brahman calf My55:107

BRAHMAN CATTLE—SHOWS

—central east Texas O54:56; east Texas f O54:152; Pan-Am livestock expo N54:119; south Texas f N54:154; Arkansas f N54:158; ABBA, Wharton county f N54:182; PAZA, Wharton county f N54:182; Louisiana f D54:103; southwestern expo Mr55:82; Houston fat stock show Mr55:102; San Antonio livestock expo ABBA and PAZA Mr55:149, 150; Baton Rouge Ap55:112

BRAHMAN NEWS (column)

—O54:137

BRANGUS BRIEFS (column)

—Jy54:105; Jy54:109; Jy54:164; S54:203; O54:140; N54:173; D54:95; F55:122

BRANGUS CATTLE

—Brangus breeders encouraged to show their cattle Ja55:183

BRANGUS CATTLE—PICTURES

—Clear Creek Challenge 969 N54:158; Miss Clear View 53 N54:158; Mr55:164; Clear View Snuffy 76 Mr55:164

BRANGUS CATTLE—SHOWS

—Gregg county f N54:158; San Antonio livestock expo Mr55:151

BRASUELL, A. L.

—pic, member Odessa chuck wagon gang O54:34

BRATCHER, GLEN

—pic, annl meeting of Osage county cattlemen Ag54:36

BREEDERS GAZETTE

—directory of purebred livestock registry assns My55:82

BREEDLOVE, CHARLES R. Sr.

—(Fort Worth, Texas)

BRIDGEMORE, BILLY

—pic, with grand champ steer, Amarillo Ap55:87

—pic with grand champ steer, Abilene My55:84

BRIDWELL HEREFORD RANCH

—shows champs at Brownwood N54:98

—carload bulls champs at Denver F55:154

—Bridwell bulls top carlot show at Fort Worth, also natl western, pic, Mr55:166

BRISCOE, DOLPH Sr. (Uvalde, Texas)

—obit Ag54:102

BRISCOE, DOLPH Jr.

—pic, dir Santa Gertrudis Breeders Internatl D54:99

BRITTEN, WALTER

—pic, west Texas Hereford assn tour Ag54:43

BROCHARO, JACK (Tucumcari, New Mexico)

—obit Ja55:171

BROCK, J. ELMER (Buffalo, Wyoming)

—obit Ja55:178

BROOK, TOMMY

—is pioneer in showing Aberdeen-Angus in south-west, il Ja55:148

BROWN, EARL

—high plains roper, Willard H. Porter, il Ag54:46

BROWN, ELLIOTT

—pic, dir Am Aberdeen-Angus assn Ja55:168

BROWN, GLADYS

—pic, champ girl's cutting horse contest, natl high school rodeo S54:185

BROWN, R. A.

—pic, Texans fattening more beef cattle, il O54:37

BROWNFIELD, MARION DELTA

(Sweetwater, Texas)

—obit Ag54:102

BRUCellosis

—spur fight O54:104

BRUMLEY, JAMES (Lemmon, S. D.)

—obit Mr55:133

BRUSH CONTROL

—why brush control? C. E. Fisher; Cecil H. Meadows, Jr. il Je55:40

—agebrush control means "new" range Ja55:50

BRUSH ERADICATION

—the battle with huisache, il D54:22

—what research shows about huisache control D54:23

BRYANT, DIANE

—pic, Pickens county cowpunchers assn's annl meeting Jy54:24

BRYANT, J. W.

—elected pres Delta Santa Gertrudis assn Ja55:179

BUGBEE, H. D.

—ils for Mexican iron, Ferris Weddle, il Je54:120

—ils for the Denton mare, Wayne Gard, il S54:150

BULLARD, J. B.

—pic, registered and comm Angus breeder Je54:24

BURCH, EARL

—pic, mgr Hammon Hereford ranch presenting silver platter to Hoot Walker D54:103

BUREAU OF CENSUS

—valuable vital information available from Ja55:127

BURK, DEE

—pic, shoot your own livestock, Willard H. Porter, il S54:53

—rope horse man, Willard H. Porter, il Mr55:38

—pic, mounted on Cow Creek Bob Mr55:38

BURKDOLE, C. M.

—pic, annl meeting Osage county cattlemen's assn Ag54:37

BURKHALTER, JACK

—pic with grand champ steer, Abilene My55:84

BURKHOLDER, JACK

—pic, all-around cowboy and champ bulldogging, Texas high school rodeo Ag54:96

BURNETT, W. W. (Dumas, Texas)

—obit O54:110

BURNS, D.

—honored by saddle and sirloin club, A&M college Jy54:72

BURNS, JOHN

—pic, with grand champ steer of Texas N54:116

—obit Ag54:108

BURNS, MRS. TOM (Yoakum, Texas)

—obit Ag54:108

BURRUS FEED MILLS

—Walker and Parker join staff S54:167

—BURSEY, ERNEST H. (Fort Worth, Texas)

—obit Je54:50

—BURSON, MR. & MRS. J. K. (Liberty, Texas)

—obit O54:108

BURTIS, ORVILLE

—re-elected pres of AQHA Je54:109

BURTON, JUDY

—pic, girls' cutting horse contest champ, Texas high school rodeo Ag54:96

BUTLER, O. D.

—pic, back to school, Ron Logan, il F55:92

BUTZ, EARL L.

—the Am cattleman and the Am way F55:160

BYRUM, GEORGE

—pic, Pickens county cowpunchers assn's annl meeting Jy54:21

—CAGE, JOSEPH FRANK (Austin, Texas)

—obit Ag54:110

CAGE, RICHARD

—Texans purchase 90,000-acre Colorado ranch Je54:82

CAGE, ROBERT

—Texans purchase 90,000-acre Colorado ranch Je54:82

CAINE, JOHN T. III

—Denver, il Ja55:32

CALIFORNIA SPRAY-CHEMICAL CO.

—new livestock pocket guide Je54:89

—CALLAN, MRS. CATHERINE DARTER (Russell) (Fort Worth, Texas)

—obit Je54:49

CALLAN, W. W.

—pic, pres east Texas Santa Gertrudis breeders assn Jy54:91

—pic, re-elected pres east Texas Santa Gertrudis breeders Mr55:176

CALLIHAM, PAUL

—pic, west Texas Hereford assn tour Ag54:43

CALLIHAM, MRS. PAUL

—pic, west Texas Hereford assn tour Ag54:43

CAMMACK, W. R.

—pic, dir Texas Aberdeen-Angus assn Mr55:165

CAMPBELL, HUGH

—pic, west Texas Hereford assn tour Ag54:41

—CAMPBELL, W. D.; POPE, L. S.; HUMPHREY, R. D.; HELLER, V. G.

—protein supplements for fattening steer calves in Okla. Je54:122

CARAWAY, A. H.

—pic, Caraways are among first exhibitors of Shorthorns in the southwest Ja55:174

CARAWAY, SHORTY

—men of the range, Ross Santee N54:51

CARDWELL, WALTER W. Jr.

—pic, treas Santa Gertrudis Breeders Internatl D54:99

CARTHERS, DALE

—pic, board of dirs Am Hereford assn Ag54:31

CARNES, LEE

—pic, TSCRA conv Ap55:27

CARPENTER, BEN

—pic, TSCRA conv Ap55:27

CARTER, AMON

—pic, chm board southwestern expo and fat stock show Ja55:33

CARTER, ELMER

—roper from Antelope, Willard H. Porter, il F55:24

—pic, on Billy J, champ junior AQHA reining horse, southwestern expo Mr55:44

CASCO, BUBBA

—pic, showing Snow Princess D54:111

CASEY, JEWELL

—the black widow spider, il N54:159

—the scorpion, il D54:109

—you'd better be wary of these plants—peeyote, D54:126

—crow poison, il F55:135

—the praying mantis, il F55:146

—know your plants—jimson weed, il My55:83

—centipedes, il My55:88

CASPORIS, JAKE

—pic, Pickens county cowpunchers assn's annl meeting Jy54:23

CASTLEBERRY, JOHN (Stanton, Texas)

—obit Ag54:112

CATERPILLAR TRACTOR CO.

—of land, water and growing crops F55:146

CATTLE FEEDING—See: LIVESTOCK FEEDING

CATTLE FEEDING STATISTICS—See: LIVESTOCK FEEDING STATISTICS

CATTLE INDUSTRY—See: LIVESTOCK INDUSTRY

CATTLE NEWS FROM THE CORN BELT (column)

—Je54:134; Jy54:97; Ag54:172; S54:196; O54:164; N54:172; D54:122; Ja55:182; F55:154; Mr55:180; Ap55:149; My55:157

CATTLE NUMBERS—See: LIVESTOCK NUMBERS

CATTLE POISONING—See: LIVESTOCK POISONING

CATTLE PRICES

—will remain about level during 1955, panel predicts Ja55:7

CATTLE THEFT PROSECUTIONS (column)

—Je54:7; N54:20; D54:9; F55:8; Mr55:9; Ap55:7

CATTLELOG (column)

—Ag54:163; O54:168; N54:173; D54:126; Ja55:104; F55:128; Mr55:183

CATTLEMAN, THE

—our fortieth birthday Je54:7

—Hereford register of value Ag54:67

CATTLEMAN, THE, COVERS

(Page number indicates location of comments on cover subject)

—comm Aberdeen-Angus cows, color transparency by Roger B. Letz Je54:7

—the buffalo hunt, Charles M. Russell Jy54:7

—Herefords on the range, color transparency by Roger B. Letz Ag54:7

—the deal on horseback, from a painting by Sahula-Dyck S54:7

—beef, permission of Champion Paper & Fiber Co. O54:7

—pen sketch, Charles M. Russell N54:5

—free trimming, Jackson Grey Storey D54:9

—fair, lithograph, Russell-Morgan printing co., courtesy Library of Congress Ja55:7

—pen sketch, Charles M. Russell F55:5

—78th annl convention TSCRA, Dallas, Texas Mr55:9

—grazing cattle in Mexico, 1720, from a painting by Jose Aceves Ap55:7

—photograph of Brahman bull by Roger B. Letz My55:7

CATTLEMAN, THE, HEREFORD REGISTER OF VALUE

—Ag54:67

CATTLEMAN'S BOOKSHELF, THE (column)

—Je54:124; Jy54:84; O54:166; D54:112; Ja55:184; F55:144; Mr55:189; My55:108

CATTLEMAN'S CORRAL, THE (column)

—Je54:12; Jy54:12; Ag54:14; S54:12; O54:10;

CHARRAY CATTLE—SHOWS

—Houston fat stock show Mr55:106

CHAROLAISE CATTLE

—charolaie, charollaise, or charollais? Je54:40
—they're all correct Ag54:164
—judging standards, il F55:138

CHAROLAISE CATTLE PICTURES

—Sir Meko ACBA 227 Mr55:104; Lady Marieta Mr55:104

CHAROLAISE CATTLE—SHOWS

—Houston fat stock show Mr55:104

CHARTS AND GRAPHS

—average prices received by farmers for livestock, feed and wool Je54:8
—effective parity prices for livestock feed and wool Je54:8

—U.S. storage holdings of meats and lard, May 31, 1954, with comparisons Jy54:18
—horses and colts: number on farms, value per head and their total value, Jan. 1 S54:10

—palmetto polo S54:49
—skins and hides come from the four corners of the world O54:100
—progeny expected when dwarf carriers are mated O54:114

—progeny expected when dwarf-free and carrier animals are mated O54:115
—feeding rolled grain beans in comparison with cottonseed and soybean pellets to weaner steer calves on grass during winter 1953-54 O54:148

—chemical analyses of two lots of guar beans fed at Woodward in 1953-54 O54:148
—social security benefits N54:34

—Hereford recordings by states, Sept. 1, 1953-Aug. 31, 1954 N54:123
—breeders recording 200 or more calves with Am Hereford assn during year 1953-1954 N54:123

—growth periods for 4 key species of plants and how digestive protein varies with season of year D54:24
—how to ration protein with salt D54:74

—suggested ration creep feeding suckling calves J55:42
—summary feeding diethylstilbestrol J55:134

—1952-53 test on phenothiazine in control of internal parasites of beef cattle J55:162
—1953-54 test on phenothiazine in control of internal parasites of beef cattle J55:162

—1953-54 test, number of worm eggs, etc.—phenothiazine in control of internal parasites of beef cattle J55:162
—USDA agricultural attache posts F55:130

—supplements fed during incidence of wheat poisoning F55:155
—all cattle and calves: number on farms and total value Jan. 1 Mr55:9

—stock, sheep and lambs: number on farms and total value Jan. 1 Mr55:10
—livestock and poultry on farms, value per head and total value, Jan. 1, 1946-55, for the U.S. Mr55:19

—number of livestock and poultry on farms and ranches Jan. 1 Mr55:20
—value per head, livestock and poultry, Jan. 1 Mr55:20

—total value, livestock and poultry, Jan. 1 Mr55:20
—beef cattle on farms Jan. 1—beef cows 2 years or older, Jan. 1 Mr55:24
—beef and forage production from fertilized and unfertilized pastures Ap55:84

—CHASE, MRS. MABLE (Long Beach, Calif.)
—obit J55:172

—CHAVEZ, DANNY
—pic, bull riding champ, New Mexico high school rodeo Ag54:148

—CHICAGO SADDLE AND SIRLOIN CLUB
—honors prof F. M. Simpson F55:106
—CHIGA, GEORGE

—pic, 1st vice-pres Red Angus assn My55:131
—CHILES, L. L. (Monk)
—pic, at chuck wagon Mr55:33

—CHISHOLM TRAIL, THE
—pic, on Henry Price ranch near Addington, Okla. Jy54:21
—women on the old Chisholm trail, Lena Sturges Ag54:92

—CHITTIM, J. M.
—pic, heads internatl Charollaise Mr55:129
—CHRISTIAN, JEFF
—pic, placing S brand on W. W. Callan's cattle Jy54:91

—CHUCK WAGON, THE (column)
—Je54:83; Jy54:59; Ag54:122; S54:182; O54:94; N54:90; D54:48; J55:114; F55:68; Mr55:70; Ap55:54; My55:42
—CHUCK WAGON TALES
—by Henry C. Harding as told to Guy Harding Goodman and Wilda Warren, il F55:19

—CLARK, HAROLD
—pic, coastal Bermuda grass comes to Texas, Roger B. Letz, il Ap55:32

—CLARK, O. R.
—pic, sheriff's posses and riding clubs organize, Frank Reeves, il S54:35

—CLARKE, MARY WHATLEY
—a tribute to the pitchfork kid, John S. McMurtry, il Je54:46
—Reynolds a history making name in cattle industry of the southwest, il Jy54:28

—Chancellor E. Weymouth, il S54:40
—XIT cowhands meet, il O54:38
—Stephen F. Austin was a cowman too, il Mr55:32

—ranch folk had big time in big D, il Ap55:25
—CLOPTON, MILDRED COOKE
—last of the old Indian fighters (H. H. Halsell) il N54:57

CLYBURN, LLOYD

—producing comm calves by crossbreeding with Brahman, il My55:102
—COBURN, T. P.
—pres Central Texas Shorthorn breeders assn My55:57

—COBURN, WALLACE D. (Sunland, Cal.)
—obit Jy54:66
—COHN, MAURICE
—pic, farm steer beef production, il F55:25

—COLE, BUSTER
—pic, co-chairman of Sand Hills QH show Ap55:43
—COLLIER, FAUST
—pic, palmetto polo, Joe Hefflin Smith, il S54:48, 49

—COLLIER, MRS. FAUST
—pic, palmetto polo, Joe Hefflin Smith, il S54:49
—COLLIER, RIP
—pic, horse handling science, Monte Foreman, il My55:86

—COLLINS, BOB
—pic, registered Aberdeen-Angus breeder Je54:24
—COLLINS, OTHO
—pic, member Odessa chuck wagon gang O54:34

—COLLINS, TOM
—pic, annl meeting Osage county cattlemen's assn Ag54:36
—COLLYNS, MRS. C. W. B. (Fort Worth, Texas)
—obit D54:70

—COLOMBIA
—breeders buying U. S. cattle Ja55:189
—COLORADO A&M COLLEGE
—intercollegiate rodeo champs Ag54:54

—super hay for cattle feeders S54:112
—pulmonary emphysema D54:75
—mobile laboratory used to test Colorado bulls D54:131

—don't forget minerals Ja55:189
—COMMODITY CREDIT CORPORATION
—status of CCC price-support program Je54:8
—USDA announces wool selling policy N54:14

—COMPTON, OTTIS GUY (Moran, Texas)
—obit Jy54:68
—CONDELL, FRANK
—new pres Kansas Hereford assn D54:103

—CONRAD, FRANK B. (Marietta, Okla.)
—obit My55:70
—CONZELMAN, KENNETH
—four of family killed in motor accident Ag54:88

—COOK, HERSCHEL
—pic, foreman Mullendore ranch Ag 54:37
—COOPENDER, NOLA JANE
—pic, all-around cowgirl and girls' breakaway roping Texas high school rodeo Ag54:96

—pic, champ, girls' breakaway, natl, high school rodeo S54:135
—COOPER, DARREL
—pic, TSCRA conv Ap55:26

—COOPER, HAL
—pic, TSCRA conv Ap55:27
—COOPER, J. L.
—pic, TSCRA conv Ap55:28

—COOPER, MRS. J. L.
—pic, TSCRA conv Ap55:28
—CORLEY, BOB
—southeastern QH men elect F55:134

—CORN BELT LIVESTOCK FEEDERS ASSN.
—reorganized S54:198
—CORRECTIONS
—Mill Iron ranches not sold Je54:84

—criss-cross of Will D. and George T. Reynolds' pictures Ag54:114
—on death of Mrs. Annie Gross O54:110
—QH show Pan-Am livestock expo D54:82

—Mecom ranch ad D54:116
—Diamond L ranch ad Ja55:183
—COSTA RICA
—the cattle industry of Guanacaste, J. L. Baughman, il F55:20

—COTTON STATES CATTLE CO
—Jim Draper to manage Jy54:69
—COTTON, B. C.
—pic, dir Am Aberdeen-Angus assn Ja55:168

—COUCH, WILL P. (Kaufman, Texas)
—obit S54:169
—COUEY, BLAIR
—pic, with his father and grandfather Je54:26

—COUEY, MARVIN
—pic, San Angelo rancher raises top quality cattle, Roger B. Letz, il Je54:26
—COUEY, ROSS
—pic, with his father and son, Blair Je54:26

—COWBOY HALL OF FAME
—Okla City selected for My55:79
—COWBOYS
—Buck Rutherford named all-around cowboy for 1954 F55:106

—Okla City selected for cowboy hall of fame My55:79
—cowboy camp meeting, Dayton Kelley My55:120
—COWGIRLS
—Jackie Worthington named 1954 world champ My55:40

—COWDEN, CLYDE (Midland, Texas)
—obit Ag54:108
—COWDEN, MRS. C. W. (Jal, New Mexico)
—obit Mr55:132

—COX, MAMIE WYNNE
—three celebrated cavalry horses, il S54:43
—COX, MARK
—pic, with Bob Lazear and Roberto Ildarraz S54:186

—COX, R. A.
—pres, heart o' Texas fair F55:93
—COZBY, JOE
—pic, member Odessa chuck wagon gang O54:34

—CRADDOCK, CARL C. (Osage County, Okla.)
—obit Je54:52
—CRADDOCK, FRED
—pic, annl meeting Osage county cattlemen's assn Ag54:35, 37

—pic, TSCRA conv Ap55:24
—CRAVENS, MRS. BETTY ROSE
—pic, food editor, Houston Chronicle, judge Texas beef council recipe contest Mr55:184

—CROCKER, H. MASON
—pic, TSCRA conv Ap55:24
—CROOKSHANK, H. R.; SIMS, FRANK H.
—wheat poisoning in cattle, il F55:155
—CROPS (Agricultural)
—USDA offers to sell "garlicky" wheat for feed Je54:75

—secty Benson announces 1955 wheat program and diverted acre provisions Jy54:7
—Texas crop outlook Jy54:14
—farmers produce more than world can buy Ag 54:132

—Texas crop outlook Ag54:7; S54:7
—Texas crop report O54:22
—cotton crop outlook N54:40
—Texas crops N54:42
—Texas gen crop report My55:8
—CROPS (livestock)
—more pigs in 1955 Ja55:12

—annl livestock and poultry inventory Jan 1, 1955 Mr55:9
—beef cattle numbers Mr55:24
—early spring lamb crop Ap55:7
—CROSBY COUNTY SHERIFF POSSE, CROSBY-TON
—pic, sheriff's posses and riding clubs organize, Frank Reeves, il S54:34

—CROWLEY, C. W. (Midland, Texas)
—obit Mr55:136
—CRUTCHER, CARY
—pic, tie, boys' cutting horse contest, Texas high school rodeo Ag54:96

—CULBERSON, SHERWOOD
—pres New Mexico cattle growers assn My55:72
—CULBERSON, W. O.
—pic, XIT cowhands meet, Mary W. Clarke, il O54:39

—CUMBLE, ED
—pic, west Texas Hereford assn tour Ag54:42
—CUNNINGHAM, DAVE
—pic, secty Houston fat stock show Jy54:93

—CUNNINGHAM, J. H.
—pic, vice-pres Am Hereford assn Ag54:31
—pic, elected pres Am Hereford assn N54:122
—CURRAN, L. S.
—cattle news from Galesburg, Ill. D54:122

—Mr55:181
—CURRIE, W. G. (Paint Rock, Texas)
—obit O54:110
—CURRY, F. B.
—a remnant of the past, il Jy54:34

—CUSHING, W. F. (Big Spring, Texas)
—obit O54:107
—CUSTER, GENERAL GEORGE ARMSTRONG
—pic, the last farewell S54:43
—pic, Custer battlefield memorial S54:43
—pic, S54:96
—CUTBERT, SAM
—pic, TSCRA conv Ap55:28

—CUTTING HORSE CHAMPIONS
—listed S54:137
—top ten of 1954 D54:124
—CUTTING HORSES
—Comanche, Florence Fenley, il S54:42
—CUTTING HORSES—SHOWS
—winners in gulf coast cutting horse contest S54:203

—DAHLBERG, F. I.
—pic, Santa Gertrudis judging conference Je54:130
—DAIRY INDUSTRY
—lower prices will not increase butter consumption Ag54:140
—milk production up 2 per cent in '54 F55:137
—DALLAS
—pic, Adolphus Hotel, Baker Hotel, Magnolia Petroleum bldg. Mr55:29
—pic, Republic Natl Bank bldg Mr55:30
—pic, central expressway Mr55:30
—pic, 7-building quadrangle Perkins school of theology Mr55:31
—pic, aerial view of Trinity river Mr55:31
—pic, state fair auditorium Mr55:31
—DAMERON, BILL
—heads Panhandle Hereford breeders Ap55:62
—DANCIGER, JACK
—pic, pays \$100,000 for one-third interest in bull Mr55:135
—DANIEL, BILL
—pic, sheriff and state representative capture two "deep freeze" cattle rustlers, il D54:54
—DANIEL, FRANK B.
—pic, re-elected head of Brangus breeders Mr55:164
—DARBY, A. E.; NELSON, A. B.; FONTENOT, J. P.; ROSS, O. B.; MACVICAR, ROBERT
—protein supplements for wintering heifer calves My55:58
—DAVENPORT, G. W.
—pic, Pickets county cowpunchers assn's annl meeting Jy54:23
—DAVID, MRS. BETTIE G. (Hebbronville, Texas)
—obit Ja55:172
—DAVIS, DON
—making range management pay, il D54:24
—De ALBA, JORGE
—pic with Brahman herd of Inter-Am Institute of agricultural sciences, Turrialba, Costa Rica My55:25
—DEAKINS, HOMER
—pic, dir Texas Aberdeen-Angus assn Mr55:165

- DEAN, FLORA MAY**
—the old freight trains (poem) My55:57
- DEATON, J. C.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23, 24
- DEATS, J. F. (Goldthwaite, Texas)**
—obit F55:126
- DEAVER, HARRY JR.**
—pic, registered and comm Angus breeder Je54:24
—pic, registered and comm Angus breeder Je54:24
- DEEP FREEZE CATTLE RUSTLERS**
—sheriff and state representative capture two il D54:54
- DEGNAN, FRED W. (Ashland, Kansas)**
—obit Ja55:172
- DELTA SANTA GERTRUDIS ASSOCIATION**
—elect J. W. Bryant pres Ja55:179
- DEMOREST, BYRON P. (Omaha, Nebraska)**
—obit Mr55:133
- DEMPSEY, CHARLES**
—pic, dir Santa Gertrudis Breeders Internatl D54:99
- DENMAN, CHARLES E.**
—Iahoma sweet sudan grass My55:146
- DEW, MRS. HENRY (Missouri City, Texas)**
—obit Ap55:50
- DIAMOND, WILSON (Granbury, Texas)**
—obit Ja55:172
- DICK, LEE (Texas City, Texas)**
—obit Mr55:136
- DIGNAN, EMMETT J.**
—pic, annl meeting Osage county cattlemen's assn Ag54:36
- DINSMORE, WAYNE**
—pleasure horses are fun if you can afford them S54:128
- DIXON, S. J. (Yoakum County, Texas)**
—obit Mr55:133
- DOBIE, J. FRANK**
—outlaws of the brush, chapter XVII of "the Longhorns," il Mr55:35
—review of "great roundup" by Lewis Nurdyke Mr55:189
- DODGE, DON**
—pic, on Poe Lena Ap55:149
- DODSON, O. H. (Crowell, Texas)**
—obit Je54:49
- DOGIES**
—Bill Robertson, early-day cowboy, credited with originating word, Henry C. Harding D54:58
- DOLLAHITE, J. W.**
—poisonous range plants a problem in trans-Pecos area F55:65
- DOORNBOOS, CORNELIUS, Sr. (Nederland, Texas)**
—obit Ag54:112
- DOSSEY, CARL (Mesa, Arizona)**
—obit Ap55:58
- DOUGLAS, C. L.**
—the chuck wagon column Je54:83, Jy54:59; Ag54:122; S54:182; O54:94; N54:90; D54:48; Ja55:114; F55:68; Mr55:70; Ap55:54
- DOUGLAS, MRS. KATHARINE**
—pic, secy, Houston fat stock show Ja55:34
- DOVE, C. B.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:22
- DOVE, J. B.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:22
- DRAPER, JIM**
—to manage cattle company Jy54:69
- DRISKELL, FRANK**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:21
- DROUTH**
—Texas ranges and the drouth, H. M. Bell, il S54:45
—USDA reports on wind erosion My55:100
- DRUMMOND, FRED A.**
—pic, annl meeting Osage county cattlemen's assn Ag54:36
—pic, TSCRA conv Ap55:24
- DUDLEY, GAIL**
—pic, west Texas Hereford assn tour Ag54:41
- DUKE, ERNEST**
—pic, annl meeting Osage county cattlemen's assn Ag54:37
- DUKE, R. L.**
—pic, on first horse he rode on XIT ranch in 1894 S54:47
- DUKE, MRS. R. L.**
—cowboys put their trust in horses, il S54:47
—pic, XIT cowhands meet, Mary W. Clarke, il O54:38
—panhandle Christmas, 1900 D54:28
—wells of springing water Ja55:31
- DULL, BILL**
—pic, member Houston chamber of commerce farm department Jy54:25
- DUNBAR, R. L.**
—pic, at Angus field day, Nocona Je54:24
- DU PONT, E. I. DE NEMOURS & CO., INC.**
—phenothiazine in the control of internal parasites of beef cattle, D. C. Boughton and R. J. Bacon Ja55:160
—cattle production with or without worms My55:115
- DWARFISM—See: LIVESTOCK BREEDING**
- DYER, A. R.**
—pic, member Odessa chuck wagon gang O54:34
- DYER, EDDIE**
—pic, champ all-around cowboy and saddle brone and bareback riding, natl high school rodeo S54:185
- EARWOOD, FRED T.**
—honored by saddle and sirloin club, Texas A&M Jy54:72
- EASLEY, HAROLD**
—pic, palmetto polo, Joe Hefflin Smith, il S54:48, 49
- EASLEY, JOHN F.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23
- EAST TEXAS SANTA GERTRUDIS ASSN.**
—boys fitting cattle for east Texas sale Je54:78
—sponsoring shows Jy54:86
—Callan re-elected to head Mr55:176
- EDWARDS, BRYANT**
—Herefords on the range, THE CATTLEMAN cover Ag54
- EDWARDS, BUFF**
—men of the range, Ross Santee N54:78
- EDWARDS, J. R.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:24
- EDWARDS, MRS NELLIE WHITMAN (Canyon, Texas)**
—obit Ja55:170
- EDWARDS, SUNNY**
—Sunny gets after 'em, Willard H. Porter, il Jy54:88
- ELDER, HENRY**
—pic, secy Texas Hereford assn Ag54:41
- ELLIOTT, EDWARD O.**
—pic, dir Am Aberdeen-Angus assn Ja55:168
- ELLIOTT, JACK**
—pres pacific coast cutting horse assn D54:102
- ELLIOTT, ROSS (Breckenridge, Texas)**
—obit Mr55:132
- ELLIS, GEORGE**
—pic, mgr Bell ranch Ag54:48
- ENCEPHALOMYELITIS**
—danger days ahead, il Jy54:90
- ENGEL, HERMAN**
—Houston, il Ja55:34
- EPPS, ALLEN**
—pic, all-around cowboy and bareback brone champ New Mexico high school rodeo Ag54:148
- ERMILER, PAUL (Poth, Texas)**
—obit Mr55:130
- EUROPEAN FOOT-AND-MOUTH DISEASE COMMISSION**
—organized June 12 S54:132
- EVANS, DON**
—cattle news from Kansas City Je54:134; Jy54:97; Ag54:173; S54:196; O54:165; N54:172; Ja55:182
- EVANS, JOE**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23
- EVANS, ROLAND**
—gulf coast Angus breeders elect officers Mr55:165
- EVERETT, R. E.**
—pic, XIT cowhands meet, Mary W. Clarke, il O54:38
- EXPOSITIONS, FAIRS AND SHOWS (general)**
—set dates for San Antonio livestock expo Jy54:32
—Pan-Am offers \$22,220 in prizes to five beef breeds Jy54:73
—Texas fairs, expos and rodeos Jy54:80
—Archer Romero pres of Houston fat stock show Jy54:93
—Texans invited to New Mexico f Ag54:72
—big feeder cattle shows for Chicago this fall Ag54:78
—schedule of fairs and livestock expos Ag54:88
—heart o' Texas f supts named Ag54:100
—beef cattle will vie for \$10,000 at heart o' Texas f Ag54:132
—four horse shows scheduled for Texas sf Ag54:158
—ABRA adds to premiums of 28 livestock shows Ag54:169
—supts named for Fort Worth shows S54:133
—supts named for Texas f livestock show S54:156
—breeders from 17 states compete in Aberdeen-Angus futurity S54:168
—Charollaise cattle to show at Houston S54:175
—3rd annl Jacksboro qh show S54:187
—Pan-Am livestock expo, Oct. 9-24 S54:189
—urge care in taking horses to fairs S54:190
—another big Am royal indicated O54:105
—San Antonio show offers \$90,000 in premiums N54:84
—Fort Worth horse show to start two days earlier N54:156
—Fort Worth show offers \$12,232 in steer premiums N54:166
—southwestern expo offers nearly \$40,000 on five beef breeds N54:174
—judging contests feature of Fort Worth show D54:45
—officials of San Antonio stock show named D54:66
—Fort Worth carlot bull show premiums \$6,335 D54:68
—natl western livestock show, il Ja55:32
—southwestern expo and fat stock show, il Ja55:33
—Houston fat stock show, il Ja55:34
—San Antonio livestock expo, il Ja55:35
—breed assns offering bonus for champs Ja55:134
—6th annl natl Brangus show Ja55:164
—R. A. Cox pres heart o' Texas f F55:93
—San Antonio awaits opening of greatest livestock expo F55:118
—6th annl natl Brangus show F55:120
—Fort Worth stock show dates Jan. 27-Feb. 5 My55:48
- sf of Texas offering \$87,528 in premiums My55:74
—Angus assn resents Daniah system of judging My55:143
—list regulations for Kansas Angus futurity My55:160
—Angus futurity dates changed My55:160
- EXPOSITIONS, FAIRS AND SHOWS**
—Santa Rosa roundup Je54:101; Tom Green county sheriff's posse horse show Je54:109; Ozona QH Jy54:73; Houston all-Arabian horse Jy54:83; Bosque county QH Jy54:100; Haskell horse Ag54:124; QH show at Stamford Ag54:126; Pike's Peak roundup-QH Ag54:141; Laramie, Wyo. QH Ag54:158; Am Aberdeen-Angus futurity S54:168; Garza county QH S54:170; north plains f S54:187; Arizona Arabian horse, Dallas O54:55; central east Texas f O54:56; beef breed winners at tri-state f O54:88; QH show, Wyoming f O54:92; champs at natl Appaloosa horse O54:126; good Angus show at Midlothian f O54:127; Missouri f O54:143; Wisconsin sf O54:143; Iowa sf O54:144; Illinois sf O54:144; Ohio sf O54:145; Colorado sf O54:145; Ozark empire f O54:146; Kansas free f O54:146; Nebraska sf O54:146; Wiscamp horses in at Colorado f O54:147; QH champs at tri-state f O54:147; four beef breeds compete at east Texas f O54:152; champs at Jacksboro QH show O54:155; champs at Fort Worth horseshoe club O54:155; QH champs at Gladewater O54:167; Cottle-King QH show O54:169; Bridwell shows champs at Brownwood N54:98; Hereford show at mid-south f N54:98; Texas horses among winners at New Mexico f N54:99; top breeders make good showing at top o' Texas f N54:100; Wharton QH show champs N54:102; Kansas sf N54:108; Arkansas sf N54:108; beef breed winners Tulsa f N54:112; Pan-Am livestock expo N54:116; outstanding Hereford show at Texas-Okl. f N54:121; Jones and Sykes show Hereford champs at Albuquerque N54:129; Am royal livestock expo N54:130; Essar ranch Angus score heavily at Palestine N54:140; Gregg county f Angus champs N54:147; Santa Gertrudis compete at four shows N54:148; good Angus show at South plains f N54:153; south Texas sf N54:154; Okla. sf beef breed champs N54:157; Longview Brangus winners N54:158; Hundley Brahman champs N54:158; natl Aberdeen-Angus show champs N54:160; champs at Prescott N54:173; good QH show at sf of Texas N54:179; Texas bred QH champs at Royal N54:182; two Brahman shows at Wharton county f N54:182; Meallier Herefords champs at Beeville D54:56; Chicago feeder cattle show D54:50; all-Okl. Hereford show D54:76; grand natl beef breed champs D54:78; outstanding beef breed show at Shreveport D54:103; Largent Herefords do well at Blue Grass show D54:131; champs named at natl western Polled Hereford show Ja55:92; internatl livestock expo Ja55:138; Angus steer champ at Dixie show Ja55:166; Angus sweep top awards at Bourbon beef show Ja55:176; Arizona natl livestock show F55:72; champs at QH show at internatl F55:94; QH and Palomino shows at natl western F55:105; natl western stock show F55:110; southwestern expo and fat stock show Mr55:74; Houston fat stock show Mr55:94; San Antonio livestock expo Mr55:142; horse champs named at Fort Worth show Mr55:169; outstanding QH show at Houston Mr55:172; Hereford steers champs at Oklahoma City show Ap55:55; Olvey Herefords champs at Baton Rouge show Ap55:86; Amarillo fat stock show Ap55:87; Angus champs at Austin Ap55:100; Texas Angus champs at Louisiana show Ap55:110; outstanding Brahman show at Baton Rouge Ap55:112; Mauritz bull champ at Baton Rouge show Ap55:120; San Angelo fat stock show Ap55:133; Sand Hills Hereford show Ap55:134; Sand Hills QH show Ap55:135; QH show at Monahans Ap55:149; Cottle-King horse and colt My55:97
- FAGAN, BOB**
—pic, member Odessa chuck wagon gang O54:34
- FAIR, RALPH**
—pic, with Hillcrest Larry 25 Je54:94
- FAIR, MRS. RALPH**
—pic, with Hillcrest Larry 25 Je54:94
- FALLON, MARY ANN**
—pic, all-around cowgirl, New Mexico high school rodeo Ag54:148
- FARM EMPLOYMENT**
—farm employment up Je54:127
- FARM POPULATION**
—Texas farm population down, W. G. Adkins; R. L. Skrabanek My55:139
- FARQUHAR, JESSE (Edna, Texas)**
—obit O54:109
- FARR, BOB**
—pix, horse handling science, Monte Foreman, il N54:131
- FARR, BOB III**
—pic, horse handling science, Monte Foreman, il O54:116
- FARWELL, FRANK**
—pic, XIT cowhands meet, Mary W. Clarke, il O54:39
- FEED UREA IN RUMINANT NUTRITION**
—bibliography, nitrogen division, allied chemical and dye corp Je54:111

FEEDLOTS

- T Cross Cattle Co., il Ag54:44
- FENLEY, FLORENCE**
 - Comanche, il S54:42
- FERGUSON, JOE**
 - pic, Pickens county cowpunchers assn's annl meeting Jy54:22
- FERNANDES, DOUG**
 - pic, with grand champ steer, Sand Hills Hereford show Ap55:134

FERTILIZER

- helps Texas agriculture prosper F55:94
- range responds to fertilizer F55:134
- trace minerals increase forage yield Ap55:121

FIELD DAYS

- Montague county Je54:23
- El Tribe host to field day Je54:84
- west Texas Aberdeen-Angus Ag54:152

FIELDS, DON

- pic, natl western champs F55:159

FILMS

- the rumen story S54:171
- Mr. Black, builder of better beef, Am. Aberdeen-Angus breeders assn My55:136

FINLEY, DON

- pic, annl meeting Osage county cattlemen's assn Ag54:36

FISCHER, G. W.

- pic, Mexican cattle imports, il F55:107

FISHER, C. E.; MEADORS, CECIL H. Jr.

- why brush control? il Ja55:40

FISHER, C. E.; JONES, J. H.; MARION, P. T.

- diethylstilbestrol for fattening steers, il Ja55:133

FISHER, ED

- pic, Hereford breeders present paintings to Jack Turner M55:167

FISHER, JIM

- the round-up cook (poem) il N54:54

FISK, JOHN R. (Houston, Texas)

- obit F55:126

FITZHUGH, H. A.

- pic, mgr. Straus Medina Hereford ranch Ag54:42

- pic, with grand champ steer, Sand Hills Hereford show Ap55:134

- pic, with Publican Domino 304 Ap55:135

FLANKEN, MRS. SALLIE THOMPSON (Utleyville, Colo.)

- obit My55:65

FLORES, OSCAR

- pic, Chanslor E. Weymouth, Mary W. Clarke, il S54:41

FOLTYN, GERALD

- pic, champ steer wrestling, natl high school rodeo champs S54:185

FONTENOT, J. P.; ROSS, O. B.; MacVICAR, ROBERT; DARLOW, A. E.; NELSON, A. B.

- protein supplements for wintering heifer calves My55:58

FOOT-AND-MOUTH DISEASE (gen)

- threat requires vigilance Je54:69

- European comm S54:132

- Nebraska stockgrowers protest opening of border Jan. 1 D54:106

FORBES, MRS. WALDO

- pic, temporary exec secty Red Angus assn My55:131

FORBES, WALDO

- pic, pres Red Angus assn My55:131

FOREMAN, MONTE

- horse handling science, gentling and leading, il Je54:114

- photo analysis of a cowboy's first contest ride, il S54:38

- horse handling science, effect of disunited canter—and simultaneous change, il S54:146

- horse handling science, at the right place, at the right time—with the least amount of fuss! il S54:116

- horse handling science, turn on the forehand by leg aids for easier changes of leads, il N54:131

- horse handling science, half pass-leg aids, il D54:27

- horse handling science, starting in either lead by use of leg aids, il Ja55:156

- horse handling science, importance of hind-foot-first-change of leads, il F55:88

- horse handling science, the all-around working horse, il Mr55:124

- horse handling science, limitations of the curb bit, il My55:86

FORT, BUDDY

- pic, Buddy can rope, too! Willard H. Porter, il Ja55:41

FORT, TROY

- pic, Troy's still a threat, Willard H. Porter, il N54:55

FORT DAVIS

- outpost on the plains, Dayton Kelley, il N54:49

FORT WORTH LIVESTOCK MARKET INSTITUTE

- S. S. Shultz heads My55:47

FORT WORTH STOCK YARDS

- has good year Ap55:113

FORTENBERRY, FRANK (Deaf Smith County, Texas)

- obit Mr55:136

FOSTER, GEORGE W. (Lytle, Texas)

- obit Ja55:171

FOWLER, A. P.

- pic, coastal Bermuda grass comes to Texas, Roger B. Letz, il Ap55:30

FOWLER, EARNEST (Marble Falls, Texas)

- obit Ag54:110

FRANCE, JACK

- pic, palmetto polo, Joe Heflin Smith, il S54:48,

FRANK, TONY

- pic, Odessa chuck wagon gang O54:35

FRANKLIN, GLENN

- pic, ribbon roping champ New Mexico high school rodeo Ag54:148

FRANKLIN, RICHARD

- pic, champ roping, natl high school rodeo S54:185

FRAZER, J. L.

- pic, west Texas Hereford assn tour Ag54:43

FRAZER, MRS. J. L.

- pic, west Texas Hereford assn tour Ag54:43

FREEMAN, FLOYD (Silverton, Texas)

- obit Je54:52

FRIEDLANDER, BERNARD

- pic, heads Texas Shorthorn breeders Mr55:183

FROST, C. M.

- host to board of dirs internatl Charollaise breeders assn N54:154

FRY, M. E.

- pic, central Texas Polled Hereford tour Jy54:31

FRY, MRS. M. E.

- pic, central Texas Polled Hereford tour Jy54:31

FULLERTON, S. C. JR.

- pic, dir Am Aberdeen-Angus assn Ja55:168

FULTON, LAWRENCE JACOB (Wildorado, Texas)

- obit O54:109

GALL, JOHN C.

- pic, Am Aberdeen-Angus assn Ja55:168

- pic, as Mrs. James F. Perry in annl historical pageant at West Columbia April 21 Mr55:33

GARD, WAYNE

- the Denton mare, il S54:50

- horsehead crossing, il D54:21

GARNETT, ED

- pic, natl western champs F55:159

GARRETT, J. T.

- pic, in process of selling a bull to Dr. Ramono Orlich My55:24

GARRETT, PAT

- pic, sagebrush sleuth, Chester Newton Hess Ja55:64

GARZA, MIGUEL DE LA (Randado, Texas)

- obit F55:26

GATES, A. E.

- pic, TSCRA conv Ap55:27

GAY, J. DOUGLAS

- pic, pres Am Hereford assn Ag54:31

GAYDEN, HARRY

- pic, secty ABBA Je54:28

- pic, exec secty ABBA Mr55:162

GAYDEN, MRS. HARRY

- pic, TSCRA conv Ap55:26

GEARHART, MARTHA AME

- pic, with grand champ steer, Sand Hills Hereford show Ap55:134

GEE, TOM

- pic, cowboys put their trust in horses, Mrs. R. L. Duke, il S54:47

GEORGE, ALBERT P. (Richmond, Texas)

- obit My55:65

GEORGE, B. C. (Matador, Texas)

- obit Ag54:112

GIBBS, BILL

- opens office in Fort Worth Ag54:154

- pic, with Publican Domino 304 Ap55:135

- obit Mr55:132

GILL, MRS. E. W. (Brownwood, Texas)

- obit Ag54:110

GILL, FAY

- pic, Gill ranch began showing Polled Herefords in 1941 Ja55:98

GILL, JIM

- pic, Gill ranch began showing Polled Herefords in 1941 Ja55:98

- pic, with natl Polled Hereford champs Ap55:90

- pic, showing Polled Herefords in 1941 Ja55:98

- obit Ap55:58

GIVHAN, J. P.

- pic, 2nd vice-pres Red Angus assn My55:131

GLOVER, JOE

- pic, with Publican Domino 304 Ap55:135

- tales of the range, Henry C. Harding as told to Guy Harding Goodman and Wilda Warren D54:58; F55:19; My56:126

GOODSON, LESTER

- new pres AQHA My55:93

GORKA, FRANK

- rancher gets check for steer sold in 1949 Mr55:158

GOULDY, TED

- pic, at Nocona Angus field day Je54:25

- Fort Worth cattle news Jy54:98

GRAFF, JOHN W. SR. (Sweeny, Texas)

- obit Ja55:171

GRAHAM, GEORGE W.

- Texas A&M gets prize Angus bull Je54:139

GRASSES

- fewer cattle on blue stem-osage pastures Jy54:81

- new Johnson grass hybrid may help solve south Texas feed problem O54:73

- successful aerial seeding of rangeland, Bill Leftwich, il O54:154

- grow grass by keeping cover, R. M. Milhollin, il N54:106

- hybrid vigor for sorghums, reprinted from Agricultural Research, USDA, il N54:110

- coastal Bermuda Mr55:72

- coastal Bermuda Ap55:8

- coastal Bermuda grass comes to Texas, Roger B. Letz, il Ap55:30

- button clover shows promise in east Texas My55:114

- grain sorghum variety tests at Temple My55:129

GRAVELEY, CHARLIE

- pic, Pickens county cowpunchers assn's annl meeting Jy54:22

GRAVELEY, O. B.

- pic, Pickens county cowpunchers assn's annl meeting Jy54:22

GRAY, BOB

- floor that trench, il Jy54:25

GRIFFIN, MRS. DOROTHEA

- pres west Texas Hereford assn My55:85

GRINER, HEWLETT

- men of the range, Ross Santee N54:78

- obit Ag54:112

GROTE, JAMES

- pic, west Texas Hereford assn tour Ag54:42

GRUB

- control program must be well planned Je54:121

- injections may control grubs Ag54:118

GUERRA, DARIO

- rancher converts "duster" into artesian well Ap55:141

GUITAR, EARL

- pic, west Texas Hereford assn tour Ag54:42

GUITAR, MRS. EARL

- pic, west Texas Hereford assn tour Ag54:42

GUITAR, PHIL

- pic, west Texas Hereford assn tour Ag54:42

- winners in contest S54:203

HAASE, ALBERT

- pic, with M. Miss Zato Heir Ap55:134

HALE, BILL

- pic, co-chairman sand hills QH show Ap55:38

- factors involved in marketing slaughter steers Ag54:82

HALSELL, H. H.

- last of the old Indian fighters, Mildred Cooke Clifton, il N54:57

HAMILTON, JOHN CAMPBELL (Wichita Falls, Texas)

- obit F55:126

HAMILTON, RUSSELL MORGAN (Del Rio, Texas)

- obit Je54:52

HAMILTON, W. F. (Dallas, Texas)

- obit O54:109

HAMPTON, J. V.

- pic, one-third interest in \$300,000 bull Mr55:135

HAND, V. M. "BOY" (Dumont, Texas)

- obit D54:71

HARBERS, CLINTON

- pic, wins Hoblitzelle award Je54:111

HARDENBERGH, WESLEY

- pic, looking ahead with livestock and meats Ap55:76

HARDING, HENRY C.

- dogies, as told to Guy Harding Goodman and Wilda Warren D54:58

- chuck wagon tales, as told to Guy Harding Goodman and Wilda Warren, il F55:19

- the lost herd, as told to Guy Harding Goodman and Wilda Warren My55:126

HARDY, D. H. (Huntsville, Texas)

- obit F55:126

HARRINGTON, WM. LEE (Marfa, Texas)

- obit O54:109

HARRIS, A. & Co.

- Anderson receives Harris award Je54:97

HEIDEN, JO

—Brangus Briefs Je54:105; Jy54:109; Ag54:164; S54:203; O54:140; N54:173; D54:95; F55:122.
HELLER, V. G.; CAMPBELL, W. D.; POPE, L. S.; HUMPHREY, R. D.
 —protein supplements for fattening steer calves in Okla. Je54:122

HEMORRHAGIC ENTEROTOXEMIA

—method of preventing N54:181

HENSON, WILLIAM S. (Dallas, Texas)

—obit Ja55:172

HEREFORD CATTLE

—their secret to better Herefords, Roger B. Leitz, II Ag54:38
 —west Texas proud of its Herefords, Frank Reeves, II Ag54:41
 —the ideal Hereford bull Ag54:74
 —Hereford cow sets record production S54:206
 —Texas cattlemen supplying feeders with top quality Hereford cattle O54:76
 —seven Texas breeders join Hereford assn D54:36
 —Am Hereford assn raises fee for transfers D54:62
 —schedules for registering imported Herefords revised D54:64
 —W. J. Largent is expert showman of Hereford cattle, II Ja55:88
 —Lazy S ranch sold Ja55:127
 —Bridwell carload bulls champs at Denver F55:154
 —Bridwell bulls top carlot show at Fort Worth Mr55:166
 —results of Pan-Tech farms bull progeny tests My55:73

HEREFORD CATTLE—PICTURES

—Hillcrest Larry 25 Je54:94; on the range at Bryant Edwards' ranch, THE CATTLEMAN cover Ag54: herd owned by Gene Mullendore Ag54:34; heifers owned by Lincoln Robinson Ag 54:36; yearling steers owned by J. B. Smith Ag54:36; Chapman and Barnard steers Ag54:37; yearling heifers owned by Ralph Barton Ag54:37; at Pumphrey ranch Ag54:41; on SMS ranch flat top ranch Ag54:42; on Arledge ranch Ag54:43; on W. J. Largent and Son ranch Ag54:43; Bell ranch Herefords Ag54:48, 49; Borglum Beau Perfection Ag54:75; feeder cattle, Weymouth ranch S54:41; calves on Jack Frost and W. T. Bonner ranches O54:76; TR Zato Heires 356th N54:112; Crown Dandy M 10 N54:114; TR Royal Zato 27 N54:116; LS Duchess Mixer 54th N54:117; Miss BR Mixer 72nd N54:121; M Proud Mixer 17th N54:121; M Miss Zato Heir N54:128; Edg-Cliff Resolute N54:130; HHR Mischief Duke O1 D54:76; JFG Domestic Mixer D54:77; JFG Domestic Mixer Ja55:98; TR Royal Zato 27 Ja55:129; yearling steers Ja55:133; champ carload of bulls, natl western, owned by Bridwell Hereford ranch F55:102; 3-year-old steers crossing Mexican border F55:107; MW Larry Mixer 100th F55:111; WR Domino Heires D 8th F55:112; HR Publican Image 5 Mr55:94; M Zato Heires 30 Mr55:96; GH Prince 69 Mr55:112; Royal Larryann 37 Mr55:113; grand champ carload of bulls, southwestern ex. and natl western, owned by J. S. Bridwell Mr55:166; Delford Lady F Mr55:166; M N. Zato Heir Ap55:134; Publican Domino 30, Ap55:136; bulls which were gainers in evaluation tests My55:32

HEREFORD CATTLE—SHOWS

—central east Texas O54:56; tri-state f O54:88; Missouri sf O54:143; Wisconsin sf O54:143; Iowa sf O54:144; Illinois sf O54:144; Ohio sf O54:145; Colorado sf O54:145; Ozark empire f O54:146; Kansas free f O54:146; Nebraska sf O54:146; east Texas f O54:152; Brownwood N54:98; mid-south f N54:98; Heart O' Texas f N54:100; Kansas sf N54:108; Arkansas sf N54:108; Tulsa sf N54:112; Pan-Am livestock expo N54:116; Texas-Okla. f N54:121; New Mexico sf N54:129; Gregg county f N54:129; Am royal livestock expo N54:130; south Texas sf N54:154; Oklahoma sf N54:157; Beeville, south Texas Hereford assn D54:56; Chicago feeder cattle D54:60; all-Okla. show D54:76; grand natl D54:78; Louisiana sf D54:103; bluegrass D54:131; internatl Ja55:140; Arizona natl F55:77; natl western F55:111; southwestern expo Mr55:74; Houston fat stock show Mr55:54; San Antonio livestock expo Mr55:142; Oklahoma City junior livestock Ap55:50; LSU, Baton Rouge, La. Ap55:86; Amarillo fat stock show Ap55:87; San Angelo Ap55:138; Sand Hills Ap55:134

HEREFORD HEAVEN ASSN

—sale cancelled S54:168

—McClelland heads Mr55:118

HEREFORD REGISTER-OF-MERIT

—Texas register-of-merit shows and standings Ag54:76

—7 bulls and 12 females added to Am Ap55:136

—additions made to My55:92

HEREFORD REGISTER-OF-VALUE

—THE CATTLEMAN'S Ag54:67

HEREFORD RIDERS, INC.

—pic, sheriff's posses and riding clubs organize, Frank Reeves S54:33, 34

—pic, palmetto polo team S54:48

HEREFORD TRANSACTIONS (column)

—Jy54:70; Ag54:114; S54:110; O54:72; D54:116; Ja55:84; F55:102; Mr55:113; Ap55:136; My55:70

HESS, CHESTER NEWTON

—sagebrush sleuth, II Ja55:36

HIGHLAND HEREFORD BREEDERS ASSN

—Holland heads F55:97

HIGHTOWER, C. M. (Liberty, Texas)

—obit My55:85

HILL, JOHN L. (Amarillo, Texas)

—obit O54:109

HILL, SUEL

—pres Texas Polled Hereford breeders Mr55:36

HINKSON, ROBERT D. (Strawn, Texas)

—obit Ag54:112

HINTERGARDT, R. P.

—pic, TSCRA conv Ap55:26

HISEY, B. L.

—pic, Odessa chuck wagon gang O54:35

HOBERT, FRED A.

—reports on agricultural trade mission to Asia, pic Ag54:40

HOBLITZELLE AWARD

—to Clinton Harbers Je54:171

—selecting contestants for Ja55:132

HOBLITZELLE, KARL

—pic, with Clinton Harbers Je54:111

HOCKLEY COUNTY SHERIFF POSSE OF LEVELLAND

—pic, sheriff's posses and riding clubs organize, Frank Reeves, II S54:34

HODGE, R. W.

—pres, Texas sheep and goat raisers assn D54:92

HODGES, C. E.

—pic, Picens county cowpunchers assn's annl meeting Jy54:22

—pic, annl meeting Osage county cattlemen's assn Ag54:37

HODGES, J. E.

—pic, TSCRA conv Ap55:27

HOGGETT, MRS. MANS

—pic, central Texas Polled Hereford tour Jy54:31

HOLCOMB, CLAUDE (Quanah, Texas)

—obit S54:169

HOLDER, MRS. VERA

—pic, TSCRA conv Ap55:28

HOLDSWORTH, ERNEST (Loma Vista, Texas)

—obit Ja55:152

HOLLAND, GABE

—heads highland Hereford group F55:97

HOLLENBECK, ED

—pres, corn belt livestock feeders assn S54:198

HOOKER, MRS. H. H. (Eldorado, Texas)

—obit Jy54:69

HOOKER RANCH

—panhandle Christmas, 1900, Mrs. R. L. Duke D54:28

HOOPER, C. DALE

—Pan-Tech farms beef progeny tests Jy54:61

HOPPER, FRED

—pic, TSCRA conv Ap55:26

HOPPE, LOWELL

—cartoon, cattlemen can promote beef consumption, Lyle Liggett O54:36

HORN FLIES

—tips on controlling O54:82

HORSE HANDLING SCIENCE

—by Monte Foreman, II Je54:114; S54:146; O54:116; N54:131; D54:27; Ja55:156; F55:88; Mr55:124; My55:86

HORSEHEAD CROSSING

—by Wayne Gard, II D54:21

HORSES

—danger days ahead, II (sleeping sickness) Jy54:90

—horse race vendetta, Charles J. Belden, II S54:36

—photo analysis of a cowboy's first contest ride, Monte Foreman S54:38

—three celebrated cavalry horses, Mamie Wynne Cox, II S54:43

—cowboys put their trust in horses, Mrs. R. L. Duke, II S54:47

—the Denton mare, Wayne Gard, II S54:50

—the ten-dollar horse, Lewis Nodyke, II S54:103

—pleasure horses are fun if you can afford them, Wayne Dinsmore S54:128

—use care in taking horses to fairs S54:190

—Texas Appaloosa horse club holds fall meeting D54:110

—horses should get bot treatment now F55:132

HOUGHTON, TED

—pic, TSCRA conv Ap55:28

HOUSER, JACK R.

—new secty Okla. cattlemen D54:64

HOWARD, FRED

—pic, member Odessa chuck wagon gang O54:34

HOWARD, ROBERT

—appointed secty-treas Nebraska stockgrowers assn Jy54:85

HUDGINS RANCH

—pioneer exhibitor of Brahman cattle, II Ja55:167

HUDGINS, EDGAR

—pic, Hudgins ranch is pioneer exhibitor of Brahman cattle Ja55:167

—pic, 2nd vice-pres TSCRA Ap55:19

HUDSON, J. V.

—pic, secty-treas Texas cowboy reunion assn Ag54:165

HUFFMAN, C. F.

—pic, ruminant nutrition, Jerry Sotola and Charles E. Hughes, II F55:23

HUGHES, CHARLES E.; SOTOLA, JERRY

—ruminant nutrition, II F55:22

HUGHES, JOE

—pic, dir Texas Aberdeen-Angus assn Mr55:165

HUISACHE

—the battle with huisache, II, reprinted from Humble Farm Family D54:22

—what research shows about huisache control D54:23

HULL, JACK

—pic, annl meeting Osage county cattlemen's assn Ag54:37, 38

HULLINGER, JANICE

—pic, with Shorty, Aberdeen-Angus steer, 1954 internatl grand champ Ja55:138

HULSEY, MRS. SARA R.

—pic, with Clinton Harbers Je54:111

HUMPHREY, R. D.; HELLER, V. G.; CAMPBELL, W. D.; POPE, L. S.

—protein supplements for fattening steer calves in Okla. Je54:122

HYATT, ROBERT M.

—old bulldozer, II N54:53

HYPERKERATOSIS—see: X-DISEASE

ILDARRAZ, ROBERTO

—pic, presents saddle to Bob Lazear S54:186

INDIAN EMILY

—pic, of her grave N54:49

INDIANS

—Navajo Indians hit the warpath for water, Pierce Shannon, II Mr55:84

INGRAM, TOSS

—pic, Picens county cowpunchers assn's annl meeting Jy54:24

INSECT CONTROL

—caution in spraying calves S54:134

—promising new mosquito repellents Ja55:132

INSECTS

—Khapra beetle found in three states S54:132

—the black widow spider, Jewell Casey, II N54:159

—the scorpion, Jewell Casey, II D54:109

—the praying mantis, Jewell Casey, II F55:146

—centipedes, Jewell Casey, II My55:88

—dog day harvest fly My55:88

INTERNAL REVENUE CODE

—new internal revenue code helpful S54:7

—important livestock capital gains decision, Stephen H. Hart O54:7

—tax manual gives full consideration to provisions of Ap55:127

INTERNATIONAL CHAROLAISE BREEDERS ASSN

—board of dirs meeting N54:154

—J. M. Chittim heads Mr55:129

INTERNATIONAL FEDERATION OF AGRICULTURAL PRODUCERS NAIROBI CONFERENCE

—farmers now produce more than world can buy Ag54:132

—Kline re-elected pres Ag54:144

INTERNATIONAL RODEO ASSN

—Idaho cowboy heads F55:105

IOWA STATE COLLEGE

—effect of stillbirth on cattle is small My55:148

IRELAND, MRS. WOODSON

—pic, sheriff's posses and riding clubs organize, Frank Reeves, II S54:34

JACKSON, J. F.

—pic, Picens county cowpunchers assn's annl meeting, II Jy54:24

JACKSON, SQUIRE (CHARLES)

—pic, ranch foreman, Joe Heflin Smith, II Jy54:26, 27

JAMES, JOSEPH H. (New Mexico)

—obit F55:125

JAMES, W. M.

—pic, Picens county cowpunchers assn's annl meeting Jy54:23

JEANES, FRANKLIN

—pic, in cement floored silo Jy54:25

JEANES, GUY Sr.

—pic, in cement floored silo Jy54:25

JEANES, GUY, Jr.

—pic, in cement floored silo Jy54:25

JEFFERIES, J. D.

—pic, west Texas Hereford assn tour Ag54:42

JENKINS, WILLIAM WARD (Colorado City, Texas)

—obit Jy54:67

JOHN'S DISEASE

—chronic intestinal disease O54:85

JOHNSON, ARNOLD

—men of the range, Ross Santee N54:51

JOHNSON, EWING

—pic, at Angus field day, Nocona Je54:24

JOHNSON, WALTER

—pic, palmetto polo, Joe Heflin Smith, II S54:48, 49

JOHNSTON, E. U.

—pic, XIT cowhands meet, Mary W. Clarke, II O54:39

JOHNSTON, RALPH

—pic, chm board Houston fat stock show Jy54:93

JOHNSTON, WM. G. (Oklahoma City, Okla.)

—obit Je54:50

JONES, MAYOR EDDIE

—pic, XIT cowhands meet, Mary W. Clarke, II O54:39

JONES, J. H.; WILLIAMS, J. C.

—peanut hulls and prairie hay in rations for fattening steers S54:117

JONES, J. H.; NEAL, E. M.; HALL, R. A.

—factors involved in marketing slaughter steers Ag54:82

—farm steer beef production, II F55:25

JONES, J. H.; MARION, P. T.; FISHER, C. E.

—diethylstilbestrol for fattening yearling steers, II Ja55:133

- JONES, JOHNNY**
—pic, natl western champs F55:159
- JONES, LATHAM**
—pic, TSCRA conv Ap55:26
- JONES, LOUIS Sr. (San Angelo, Texas)**
—obit J54:150
- JONES, MRS. LUTHER**
—pic, TSCRA conv Ap55:24
- JONES, OTTO F.**
—pic, mgr Spade ranch Ag54:43
- pic, past pres, chm board of dirs Texas cowboy reunion assn Ag54:165
- JONES, RANDALL J.**
—pic, annl meeting Osage county cattlemen's assn Ag54:36
- JONES, W. L.**
—San Antonio, il Ja55:35
- JORDAN, CHESTER**
—pic, dir Texas Aberdeen-Angus assn Mr55:165
- JORGENSEN, HART**
—cattle news from Omaha J54:134; Jy54:97; Ag54:172; S54:196; O54:164; N54:172; D54:122; F55:154; Mr55:180, Ap55:149; My55:157
- JUSTIN, BARBARA**
—pic, with grand champ steer, junior division, natl western F55:110
- JUSTIN, H. JOE**
—joins Nocona boot company staff O54:58
- KANSAS ANGUS FUTURITY**
—list regulations for My55:160
- dates changed to Aug. 10-12 My55:160
- KANSAS HEREFORD ASSN**
—Frank Condel new pres D54:103
- KANSAS LIVESTOCK ASSN**
—annl convention My55:34
- KANSAS STATE BOARD OF AGRICULTURE**
—Kans bluestem pasture report April 1, 1955 My55:89
- KEEFAUVER, JOE**
—pic, dir Am Aberdeen-Angus assn Ja55:168
- KEEN, CURTIS—See: WILLARD H. PORTER**
- KEESE, PAUL**
—pic, mgr Ear ranch Ja54:70
- KEITH, GEORGE D. Sr. (Wichita Falls, Texas)**
—obit F55:125
- KELLEY, DAYTON**
—sentinel of the plains, il Ag54:133
- Fort Davis outpost on the plains, il N54:49
- cowboy camp meeting My55:120
- KELLEY, GEORGE (Fort Worth, Texas)**
—obit F55:125
- KELLY, MRS. SOL (San Angelo, Texas)**
—obit O54:107
- KENNEDY, EDMUND T.**
—pic, secy Osage county cattlemen's assn Ag54:36
- KENNEDY, G. W. "SHORTY"**
—ranch foreman, Joe Helfin Smith, il Jy54:36
- KETOSIS—See: ACETONEMIA**
- KING, DONALD (Olton, Texas)**
—obit D54:71
- KING RANCH**
—Santa Gertrudis judging conference J54:102
- KINGSTON, MRS. W. L. (Toyahvale, Texas)**
—obit My55:61
- KIRBY, ROBERT P. (Amarillo, Texas)**
—obit D54:71
- KLEBERG, R. M. Jr.**
—pic, Santa Gertrudis judging conference J54:130
- elected pres Santa Gertrudis Breeders Internatl D54:98
- pic, pres, Santa Gertrudis Breeders Internatl D54:99
- KLEIER, GEORGE**
—pic, west Texas Hereford assn tour Ag54:42
- KLINE, ALLAN B.**
—re-elected pres IFAP Ag54:144
- KOKERNOT, F. D. Sr.**
—pic, TSCRA conv Ap55:27
- KOKERNOT, F. D. Jr.**
—pic, TSCRA conv Ap55:27
- KONE, SAMUEL L.**
—water conservation and development Ja55:12
- pic, TSCRA conv Ap55:24
- KOONTZ, HENRY C. (Inez, Texas)**
—obit D54:71
- KOTHMANN, A. F. (Mason County, Texas)**
—obit Ja55:170
- KUHFUSS, WILLIAM J.**
—pic, dir Am Aberdeen-Angus Assn Ja55:168
- KUYKENDALL, MARY ELIZABETH (Cherokee, Texas)**
—obit Jy54:69
- KYLE, JACK**
—pic, on Goldie Mount Ap55:43
- LAKE, MRS. WILL F. (Fort Worth, Texas)**
—obit Ap55:58
- LANDRUM, PERRY**
—pic, central Texas Polled Hereford tour Jy54:31
- LANE, H. F. (JOE) (Fort Worth, Texas)**
—obit F55:128
- LARGENT, ROY R.**
—pic, board of dirs Am Hereford assn Ag54:31
- LARGENT, W. G.—See: LARGENT W. J.**
- LARGENT, W. J.**
—pic, west Texas Hereford tour Ag54:41
- is expert showman of Hereford cattle, il Ja55:38
- pic, with Publican Domino 304 Ap55:135
- LA ROE, BILL**
—pic, natl western champs F55:159
- LA SSOSS**
—Mexican iron, Ferris Weddle, il J54:120
- LASTER, OBA L.**
—heads Okla. Santa Gertrudis group D54:98
- LATHAM, JIMMY**
—pic, with his grand champ steer, sf of Texas N54:116
- LATTIMORE, MATT. R. (Sanderson, Texas)**
—obit S54:169
- LAZEAR, BOB**
—pic, mounted on Argentine saddle S54:186
- LAZEAR, GEORGE C. (Loveland, Colorado)**
—obit Jy54:68
- LAZY S RANCH**
—sold to Phillip A. Cornell Ja55:127
- LEARY, F. E. (Memphis, Texas)**
—obit D54:72
- LEATHER**
—the leather zoo, il J54:116
- story of leather, il O54:98
- LEATHER INDUSTRIES OF AMERICA**
—the leather zoo, il J54:116
- the story of leather, il O54:98
- LEDERLE LABORATORIES**
—vaccine for blue tongue Jy54:72
- new vaccine for rabies in cattle Ag54:147
- new vaccine being tried to control anthrax D54:105
- LEE, ROBERT**
—pic, natl western champs F55:159
- LEE, T. W. (Gladewater, Texas)**
—obit O54:108
- LEFTWICH, BILL**
—successful aerial seeding of rangeland, il O54:154
- LEONARD, GERALD**
—pic, breakaway roping champ Texas high school rodeo Ag54:96
- LEPTOSPIROSIS**
—no need for mass hysteria over Jy54:87
- keep leptospirosis infected animals isolated O54:64
- LETTERS TO THE CATTLEMAN**
—Ed D. Smith, Matador, Texas J54:112
- Mrs. L. V. Stangl, Okarche, Okla. Jy54:58
- Daniel Swiatek, Buffalo, N. Y. Jy54:87
- Gus Meyer, Santa Barbara, Calif. Jy54:91
- Dean G. Shade, Brookville, Kans. Jy54:108
- L. G. Gurd, Malta Bend, Mo. Ag54:184
- Mrs. L. V. Stangl, Okarche, Okla. S54:198
- C. A. White, Pasadena, Texas N54:64
- Wm. R. Fitzgerald, Kamuela, Hawaii N54:102
- Gaines Preston, Longview, Texas N54:108
- G. B. Entz, Newton, Kans. N54:108
- C. A. White, Pasadena, Texas N54:121
- Bill Davis, El Paso, Texas N54:160
- Mrs. C. V. Michael, Demopolis, Ala. N54:166
- Peter Pastore, San Luis Obispo, Calif. N54:182
- Mrs. Jack Garten, Amondite, Calif. D54:75
- Ike Blasingame, Avenal, Calif. D54:91
- Will Mauser, Storm Lake, Ia. Ja55:98
- W. C. Holle, Washington, Texas Ja55:116
- J. de Manteniant, Transvaal, South Africa Ja55:135
- M. H. Yearwood, Shreveport, La. Ja55:183
- Mrs. Dorothy Dodson, North Little Rock, Ark. Ja55:197
- Mrs. Earnest Cowan, Dale, Texas F55:78
- W. G. Stewart, Sentinel, Okla. F55:104
- Ben Hurst, Santa Fe, N. M. F55:123
- W. D. Sprague, S. Charleston, Ohio Mr55:118
- Vincente M. Fernandez, Las Cruces, N. M. Ap55:164
- Mrs. J. W. Atkinson, Wellington, Texas Ap55:174
- Clyde Frazee, Lakewood, Colorado Ap55:89
- F. L. Campbell, Caseyville, Ill. Ap55:114
- Bob Beverly, Lovington, N. M. Ap55:115
- C. H. Booth, Manvel, Texas Ap55:144
- Charles C. Fox, Sr., Jayton, Texas Ap55:149
- C. D. Baldwin, Atlanta, Ga. My55:160
- L. B. Allen, Alice, Texas My55:79
- J. K. Ayers, Moulton, Ala. My55:85
- F. L. McGeehe, Indianahoma, Okla. My55:88
- Garska Brothers, Burwell, Nebr My55:89
- C. F. Clark, Burwell, Nebr My55:92
- Warren Kuykendall, Cherokee, Texas My55:112
- Sam W. Martin, Dallas, Texas My55:112
- Jewell Dittmars, Muskogee, Okla. My55:112
- Harley Schmitz, Denver, Colo. My55:112
- Geo. L. Fordtran, San Francisco, Calif. My55:123
- F. G. Snyder, Loup City, Nebr. My55:134
- Albert Wolf, Tyler, Texas My55:136
- Gaines B. Preston, Longview, Texas My55:143
- Russell Cline, Tucson, Ariz. My55:159
- LETZ, ROGER B.**
—comm Aberdeen-Angus cows, THE CATTLEMAN cover J54:4
- San Angelo rancher raises top quality cattle (Marvin Couey), il J54:26
- Herefords on the range, THE CATTLEMAN cover Ag54:4
- their secret to better Herefords Ag54:38
- coastal Bermuda grass comes to Texas, il Ap55:30
- photograph of Brahman bull, THE CATTLEMAN cover My55:5
- U. S. Brahman breeders benefiting from rapidly expanding foreign trade, il My55:23
- LEWIS, JOE**
—pic, with natl Polled Hereford champs Ap55:90
- LEWIS, JOHN M.**
—pic, Gill ranch began showing Polled Herefords in 1941, il Ja55:98
- LEWIS, LEO**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:24
- LEWIS, WALTER M.**
—pic, board of dirs Am Hereford assn Ag54:31
- pic, Gill ranch began showing Polled Herefords in 1941 Ja55:98
- LEWTER, LILE**
—pic, with grand champ steer, Houston Mr55:94
- LIBRARY OF CONGRESS**
—fair, lithograph, Russell-Morgan Printing Co THE CATTLEMAN cover Ja55:5
- LIEVANO R., ENRIQUE**
—pic, dir Santa Gertrudis Breeders Internatl D54:99
- LIGGETT, LYLE**
—cattleman can promote beef consumption, il O54:36
- LILJENQUIST, L. BLAINE**
—the Washington roundup Ja54:14; Jy54:19; Ag54:22; S54:21; O54:24; N54:22; D54:14; Ja55:26; F55:10; Mr55:27; Ap55:10; My55:16
- LINK, LEWIS C. (Strawn, Texas)**
—obit Ap55:58
- LINTON, J. O.**
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23, 24
- LIPPENCOTT, CLAUDE**
—pic, riding herd on Benton comm cattle J54:25
- LIPPAN HORSES**
—sons of Florian, Georgia McKinley, il S54:51
- LIPPAN HORSES—PICTURES**
—Pluto Conversano S54:51; Pluto S54:51; The Emperor S54:51
- LIVESTOCK BREEDING**
—Angus assn issues new rulings on artificial breeding Jy54:100
- more cows artificially bred Jy54:100
- breed cows late in heat period S54:190
- progress reports on dwarfism O54:97
- dwarfism in beef cattle, Doyle Chambers; T. J. Marlowe; J. A. Whitley, Jr., il O54:114
- Texas A&M launches program to aid cattlemen N54:126
- mobile laboratory used to test Colorado bulls D54:131
- LIVESTOCK CALENDAR (column)**
—J54:140; Jy54:106; Ag54:180; S54:204; O54:176; N54:180; D54:132; Ja55:188; F55:182; Ap55:142; My55:158
- LIVESTOCK CONSERVATION, INC.**
—annl meeting J54:38
- shipping animals O54:92
- parasite disease and marketing losses take 20% toll Ap55:126
- LIVESTOCK DISEASES**
—scrapie disease discussed J54:125
- dancer days ahead (sleeping sickness), il Jy54:90
- blast, a new solution?, il Ag54:58
- cattle may catch many different animal diseases S54:102
- sunlight can cause eye cancer in cows S54:186
- anthrax under foot S54:186
- John's disease O54:85
- mucosal disease new threat to cattle O54:167
- veterinarians fight threat of foreign animal diseases N54:42
- removing mystery from "X" disease N54:44
- liver fluke infestation on increase in U. S. D54:61
- pulmonary emphysema D54:75
- cattle raisers alerted against calf coccidiosis D54:82
- see threat of anthrax spread in mid-west D54:96
- new vaccine being tried to control anthrax D54:105
- a test for anaplasmosis F55:96
- hyperkeratosis no longer disease threat My55:76
- LIVESTOCK FEEDING**
—dehydrated alfalfa valuable in livestock rations J54:108
- protein supplement for calves on range J54:111
- feed urea in ruminant nutrition J54:111
- water helps keep cattle healthy J54:113
- 5 causes of "hidden hunger" J54:119
- protein supplements for fattening steer calves in Okla., L. S. Pope; R. D. Humphrey; V. G. Heller; W. D. Campbell J54:122
- Pan Tech farms beef progeny tests, C. Dale Hoover Jy54:61
- indispensable protein Jy54:63
- Texan operates a beef factory, il Ag54:44
- super hay for cattle feeders S54:112
- peanut hulls and prairie hay in rations for fattening steers S54:117
- Texans fattening more beef cattle, il O54:37
- beef more tender after fattening O54:70
- Texas cattlemen supplying feeders with top quality Hereford cattle O54:76
- hormones may stimulate gains in livestock O54:84
- feeding guar beans to steer calves on grass, E. H. McIlvain, il O54:148
- cattle feeding situation N54:9
- a report from the corn belt, Frank Reeves N54:162
- how to ration protein with salt D54:74
- creep feeding beef calves, A. L. Smith and Uel D. Thompson, il Ja55:42
- value of protein supplements Ja55:96
- value of high protein corn Ja55:102
- save by feeding early Ja55:118
- green feeds for greater profits Ja55:120
- rations proved by research and study Ja55:131
- diethylstilbestrol for fattening yearling steers, P. T. Marion; C. E. Fisher, J. H. Jones, il Ja55:133
- don't forget minerals Ja55:189
- winter feeding of range livestock, Ivan Watson Ja55:196

- vitamins A and D in short supply during winter J55:197
- farm steer beef production, E. M. Neal; R. A. Hall; J. H. Jones F55:25
- prickly pear an emergency feed F55:28
- livestock eating more molasses F55:86
- feeding practices bulletin dedicated to research Mr55:88
- sweet potatoes for cattle Ap55:143
- creep feeding calves, Pierce Shannon, II My55:38
- protein supplements for wintering heifer calves, A. B. Nelson; J. P. Fontenot; O. B. Ross; Robert MacVicar; A. E. Darlow My55:58
- new feeding developments in beef cattle feeding, R. M. Bethke My55:94
- cubes for fattening cattle My55:113
- beef carcasses improve by adding sugar to rations My55:121
- beef bulls selected from feed-lot performance My55:145
- creep-feeding beef calves My55:145
- effect of stilbestrol on cattle is small My55:148
- LIVESTOCK FEEDING STATISTICS**
- cattle on feed—July 1, 1954 Ag54:8
- cattle on feed—Oct. 1, 1954 N54:38
- cattle feeding situation D54:9
- cattle and calves on feed F55:8
- annl livestock and poultry inventory Jan. 1, 1955 Mr55:9
- effect of stilbestrol on cattle is small My55:148
- LIVESTOCK HEALTH**
- photo-sensitization is summer hazard to livestock Ag54:60
- hot weather may cause heat stroke Ag54:86
- your veterinarian says . . . lumpjaw in cattle Ag54:142
- caution in spraying calves S54:134
- your veterinarian says . . . use your watch and a thermometer O54:159
- mucosal disease new threat to cattle O54:167
- animals can transmit ringworm to humans O54:169
- veterinarians fight threat of foreign animal disease N54:42
- animals' teeth need occasional check D54:58
- prompt diagnosis advised for lame cattle D54:61
- your veterinarian says . . . those "downer" cattle D54:88
- new vaccine now available to stockmen D54:90
- see threat of anthrax spread in midwest D54:96
- new vaccine being tried to control anthrax D54:105
- your veterinarian says . . . about lightning stroke Ja55:108
- winter calf dysentery may take heavy toll Ja55:126
- vaccination of cattle against rabies studied Ja55:131
- phenothiazine in the control of internal parasites of beef cattle, D. C. Boughton, R. J. Bacon Ja55:160
- cattle grub controlled with experimental insecticide spray Ja55:163
- a test for anaplasmosis F55:96
- horses should get hot treatment now F55:132
- your veterinarian says . . . about cattle lice F55:133
- a new \$750,000 hospital where veterinarians train, II My55:26
- mineral shortage may cause chewing My55:60
- hyperkeratosis no longer a disease threat My55:76
- your veterinarian says . . . those sudden deaths of cattle My55:105
- LIVESTOCK INDUSTRY**
- livestock conservation, Inc. annl meeting Je54:38
- does a break in growth hurt beef calves? Je54:107
- parity ratio up to 91 Je54:125
- factors affecting livestock investment trends, John W. Stephens Je54:128; Jy54:94; Ag54:26; S54:24; O54:156; N54:32; D54:108; Ja55:185; F55:148; Mr55:174; Ap55:137
- TSCRA insps render valuable service in locating stray cattle Jy54:7
- natl livestock and meat board annl meeting Jy54:74
- a monument to Herefords, II Ag54:31
- Texan operates a beef factory, II Ag54:44
- photo-sensitization is summer hazard to livestock Ag54:60
- hot weather may cause heat stroke in livestock Ag54:86
- record meat production expected Ag54:144
- farmers may catch many different animal diseases S54:102
- sunlight can cause eye cancer in cows S54:186
- important livestock capital gains decision, Stephen H. Hart O54:7
- getting rid of surpluses O54:66
- beef more tender after fattening O54:70
- hormones may stimulate gains in livestock O54:84
- heavy breeds least tolerant to radiated heat O54:175
- cattle bloat has scientists baffled N54:174
- new highs in meat production and consumption D54:102
- the cattle industry of Guanacaste, Costa Rica, J. L. Baughman, II F55:20
- ruminant nutrition, Jerry Sotola; Charles E. Hughes, II F55:22
- farm steer beef production, E. M. Neal; R. A. Hall; J. H. Jones, II F55:25
- parasites cause 2 billion pound loss in cattle industry F55:78
- parasite disease and marketing losses take 20% toll Ap55:126
- cattle production with and without worms My55:115
- relationships among traits in beef cattle My55:118
- nutritious meat My55:118
- beef carcasses improve by adding sugar to ration My55:121
- effect of inbreeding on range calves My55:121
- reducing with meat My55:142
- more nutrients from meat My55:142
- animal agriculture dominates farm scene My55:144
- animal agriculture dominates farm scene My55:144
- factors affecting livestock investment trends, John W. Stephens My55:151
- LIVESTOCK JUDGING**
- pic, natl western champs F55:159
- LIVESTOCK MARKETING**
- factors involved in marketing slaughter steers, E. M. Neal; R. A. Hall, J. H. Jones Ag54:82
- getting rid of surpluses O54:66
- Brahman exports exceed 200 per month D54:102
- parasite, disease and marketing losses take 20% toll Ap55:126
- LIVESTOCK MARKETS REVIEW (column)**
- F54:126; Jy54:92; Ag54:166; S54:192; O54:158; N54:165; D54:117; Ja55:178; F55:149; Mr55:175; Ap55:138; My55:162
- LIVESTOCK NUMBERS**
- horse and mule census, Jan. 1, 1954 S54:8
- annl livestock and poultry inventory Jan. 1, 1955 Mr55:9
- beef cattle numbers Mr55:24
- Latin Am livestock numbers, Grover J. Sims; Dorothy Bloodgood My55:12
- LIVESTOCK PARASITES**
- new livestock pocket guide Je54:89
- grub control program must be well planned Je54:121
- screwworms are summer menace to livestock Jy54:109
- injections may control grubs Ag54:118
- parasitism in cattle growing in southeast O54:72
- loss of blood gives resistance to parasites O54:112
- calf coccidiosis D54:82
- operation screwworm, II Ja55:38
- screwworm cycle Ja55:39
- phenothiazine in control of internal parasites of beef cattle, D. C. Boughton; R. J. Bacon Ja55:160
- cattle grub controlled with experimental insecticide spray Ja55:163
- cause 2 billion pound loss in cattle industry F55:78
- screwworm fly eradicated from west Indian island F55:129
- losses from internal parasites Ap55:8
- control cattle parasites and boost profits Ap55:74
- to control cattle grubs Ap55:144
- LIVESTOCK POISONING**
- farmers warned to watch poisonous materials Ag54:120
- poisonous range plants a problem in trans-Pecos area, J. W. Dollahite F55:65
- crow poison, Jewell Casey, II F55:135
- wheat poisoning in cattle, Frank H. Sims; H. R. Crookshank F55:165
- cattle poisoned by variegated thistle Ap55:68
- LIVESTOCK TRANSPORTATION**
- urge care in taking horses to fairs S54:190
- LIVESTOCK WEEKLY**
- Jim Draper resigns as editor Jy54:69
- LOGAN, GEORGE**
- pic, coastal Bermuda grass comes to Texas, Roger B. Letz, II Ap55:30, 32
- LOGAN, HARVEY**
- pic, sagebrush sleuth, Chester Newton Hess Ja55:66
- LOGAN, RON**
- back to school, II F55:92
- LONG, ROBERT E. (Wilburton, Okla.)**
- obit Ag54:104
- LONGBOTHAM, J. G.**
- pic, TSCRA conv Ap55:28
- LONGBOTHAM, MRS. J. G.**
- pic, TSCRA conv Ap55:28
- LONGHORNS**
- Texas among buyers of Longhorns at Okla. sale N54:157
- pic, end of the trail for Texas Longhorn steer N54:169
- outlaws of the brush, J. Frank Dobie, II Mr55:35
- LONGNECKER, TOM**
- pic, the relationship of soil fertility and beef cattle production Ap55:84
- LOST PONY TRACKS**
- men of the range, Ross Santee, II N54:51
- LOUISIANA BRAHMAN ASSN**
- pic, A. N. Smith heads Ap55:112
- LOVELACE, JOHN**
- men of the range, Ross Santee N54:51
- LOWERY, CLYDE**
- pic, annl meeting Osage county cattlemen's assn Ag54:36
- LOWERY, J. P.**
- pic, Pickens county cowpunchers assn's annl meeting Jy54:22
- LUBBOCK COUNTY SHERIFF POSSE**
- pic, sheriffs' posses and riding clubs organize, Frank Reeves, II S54:34
- LUCKEY, E. GEORGE**
- Texan operates a beef factory, II Ag54:44
- LUNDELL, C. L.**
- pic, TSCRA conv Ap55:29
- MACVICAR, ROBERT; DARLOW, A. E.; NELSON, A. B.; FONTENOT, J. P.; ROSS, O. B.**
- protein supplements for wintering heifer calves My55:58
- MADDOX, J. PRICE (Sweetwater, Texas)**
- obit Jy54:66
- MAEDGEN, MALCOLM A.**
- heads south Texas Aberdeen-Angus assn Ap55:104
- MANLEY, JUDE**
- pic, member Odessa chuck wagon gang O54:35
- MANNING, MRS. MARY L. (Dallas, Texas)**
- obit Ag54:110
- MAPS**
- cash receipts from basic commodities Jy54:55
- cash receipts from basic commodities, excluding tobacco Jy54:55
- cash receipts from non-supported commodities Jy54:55
- cash receipts from meat animals and dairy and poultry products Jy54:55
- cash receipts from non-supported commodities and dairy products Jy54:55
- skins and hides come from four corners of the world O54:100
- U. S. exports of breeding cattle My55:30
- MARBLE, JOHN**
- pic, chm Am natl's livestock marketing com O54:33
- MARION, P. T.; FISHER, C. E.; JONES, J. H.**
- diethylstilbestrol for fattening steers, II Ja55:133
- MARLEY, CLYDE**
- pic, west Texas Hereford assn tour Ag54:42
- MARLOWE, T. J.; WHATLEY, J. A. Jr.; CHAMBERS, DOYLE**
- dwarfism in beef cattle, II O54:114
- MARSHALL, DOUGLAS B.**
- pic, vice-pres Houston fat stock show Jy54:93
- MARSHALL, R. P.**
- pic, Santa Gertrudis judging conference Je54:130
- MASTERSON, NEILL T. Jr.**
- pic, vice-pres Houston fat stock show Jy54:93
- MATHIESON CHEMICAL CORPORATION**
- demonstration farm for university of Houston Ag54:66
- MATTHEWS, J. A.**
- pic, their secret to better Herefords, Roger B. Letz, II Ag54:38
- MATTHEWS, MRS. J. A.**
- pic, their secret to better Herefords, Roger B. Letz, II Ag54:38
- MATTHEWS, JOE**
- pic, their secret to better Herefords, Roger B. Letz, II Ag54:38
- MATTHEWS, JOE B.**
- pic, their secret to better Herefords, Roger B. Letz, II Ag54:38
- MATTHEWS, WATT**
- pic, their secret to better Herefords, Roger B. Letz, II Ag54:38, 39
- MAUPIN, NOLAN**
- pic, ranch foreman, Joe Heflin Smith, II Jy54:26
- MAURICE, EMILE**
- pic, Charollaise judging standards, II F55:138
- MAVERICK, MAURY (San Antonio, Texas)**
- obit Jy54:66
- MAYER, OSCAR (Chicago, Ill.)**
- obit Ap55:58
- MCALISTER, O. H.**
- Herefords champs at Beeville D54:56
- MCANELLY, NORMAN**
- pic, dir Texas Aberdeen-Angus assn Mr55:165
- MCARTHUR, EVERETT**
- pic, sheriff's posses and riding clubs organize, Frank Reeves, II S54:35
- MCCAIN, JAKE**
- men of the range, Ross Santee N54:74
- MCCAN, CLAUDE**
- pic, former pres TSCRA Ap55:20
- MCCLELLAND, JIM**
- pic, with TR Zato Heir 27 Ja55:120
- heads Hereford heaven assn Mr55:118
- MCCOMBS, MRS. MARTHA (McLean, Texas)**
- obit Je54:49
- MCCRELESS, ROY (Odessa, Texas)**
- obit Je54:49
- MCCUISTION, SONNY**
- pic, TSCRA conv Ap55:26
- McDANIEL, MRS. S. TAYLOR**
- pic, secy-treas Red Angus assn My55:131
- McFADDEN, PECOS**
- men of the range, Ross Santee N54:78
- McGARROUGH, RAYMOND**
- pic, with reserve grand champ Angus steer, junior show, southwestern expo, 1954 Je54:70
- McILVAIN, E. H.**
- feeding guar beans to steer calves on grass O54:148
- McINNIS, ABNEY**
- pic, west Texas Hereford assn tour Ag54:42
- McINNIS, CLAUDE**
- pic, west Texas Hereford assn tour Ag54:42
- McINNIS, JOHN**
- pic, west Texas Hereford assn tour Ag54:42

McINTYRE, NATHAN

—pic, photo analysis of a cowboy's first contest ride, Monte Foreman, il S54:38

McKEVITT, TOM

—men of the range, Ross Santee N54:78

McKINLEY, GEORGIA

—sons of Florian, il S54:51

McKINNEY, EARNEST

—pic, Pickets county cowpunchers assn's annl meeting Jy54:23

McLAUGHLIN, DON

—pic, Don McLaughlin, Willard H. Porter, il Ap55:44

McLAUGHLIN, JIM

—pic, Pickets county cowpunchers assn's annl meeting Jy54:24

McMURTRY, JOHN S.

—a tribute to the pitchfork kid Je54:46

McNABB, C. O.

—pic, sheriff's posess and riding clubs organize, Frank Reeves, il S54:35

McNEILL, MRS. SARAH GRAVES (Brazoria, Texas)

—obit Jy54:52

McVEAN, J. A.

—pic, member Odessa chuck wagon gang O54:34

MEADORS, CECIL H. Jr., FISHER, C. E.

—why brush control?, il Ja55:40

MEAT

—record production expected Ag54:144

—appetite appeal important in meat consumption Ag54:147

—world consumption trends in meat N54:25

—beef is not all steak Ja55:195

—fat essential for proper diet F55:158

—self service in meats F55:158

—pork chops popular cut F55:165

—beef sales up in promotion period Mr55:112

—beef most popular meat Mr55:189

—how much meat in 1955? My55:48

—all meat cuts can be tender My55:97

—meat food of variety My55:100

—nutritious meat My55:118

—more meat for teenagers My55:129

—reducing with meat My55:142

—more nutrients from meat My55:142

MEAT JUDGING CONTESTS

—Oklahoma A&M wins at internatl livestock expo Ja55:96

MEAT STORAGE STATISTICS

—cold storage holdings of meats and lard May 31, 1954 Jy54:18

MEDLIN, JOHN H. (Jal, N. M.)

—obit O54:107

MEEK, BETTY

—pic, queen and girls' cutting horse champ New Mexico high school rodeo Ag54:148

MERRILL, LEO B.; YOUNG, VERNON A.

—grazing single classes of livestock in combination with several classes F55:82

MERRILL, LOUIS P.

—pic, dir Texas Aberdeen-Angus assn Mr55:165

—new pres Mid-Texas Angus breeders Ap55:104

MERRIMAN, REX (Spur, Texas)

—obit F55:125

MESSER, EDNA

—candles of the Lord, il Ap55:40

MESSER, JACK

—pic, palmetto polo, Joe Heflin Smith, il S54:48, 49

MEXICO

—Nebraska stock growers protest opening of border, Jan. 1, D54:106

—Mexican cattle imports, il F55:107

MICHIGAN STATE COLLEGE

—antibiotic controls sheep pinkeye Jy54:38

—new chemical may be solution to frothy bloat S54:187

—pic, laboratory, ruminant nutrition, Jerry Sotola; Charles E. Hughes, il F55:22

MID-TEXAS ABERDEEN-ANGUS ASSN

—Merrill new pres Ap55:104

MIDDLETON, P. F.

—pic, TSCRA conv Ap55:24

MILBURN, JACK

—pic, dir Am Aberdeen-Angus assn Ja55:168

—obit D54:73

MILBY, JOHN GRANT TOD (Harrisburg, Texas)

—obit D54:73

MILHOLLIN, R. M.

—grow grass by keeping cover, il N54:106

MILL IRON RANCHES

—correction: not sold Je54:84

MILLER, J. C.

—pic, Santa Gertrudis judging conference Je54:130

—beef cattle selection based on performance, il My55:32

MILLER, J. I.

—heads ASAP Ja55:102

MILLER, MARVIN A. (Abilene, Texas)

—obit Ag54:108

MILLER, MILTON

—pic, at Nocona Angus field day Je54:25

—a quick look at cow country in Latin America, il Je54:28

MILLER, RICHARD (Westhoff, Texas)

—obit Mr55:130

MILLIGAN, CLIFF

—elected pres Okla Shorthorn breeders assn My55:122

MILLS, JOHN CLAY (Big Lake, Texas)

—obit Ap55:58

MITCHELL, ALBERT K.

—pic, board of dirs Am Hereford assn Ag54:31

MITCHELL, G. P.

—new pres Anxiety Hereford breeders Ja55:96

MITCHELL, MRS. N. M.

—pic, central Texas Polled Hereford tour Jy54:31

MITCHELL, MRS. ROSA L. (James) (Crocket County, Texas)

—obit Ag54:108

MOLASSES

—livestock eating more F55:86

MOLE

—old bulldozer, Robert M. Hyatt, il N54:53

MOLLER, SID E.

—pic, T-CRA conv Ap55:27

MONOHAN, EARL

—pic, board of dirs Am Hereford assn Ag54:31

MONTAGUE, JOE G.

—pic, attorney TSCRA Ap55:19

MONTGOMERY, K. JACK (San Antonio, Texas)

—obit Mr55:130

MONUMENTS

—built by Pickets county cowpunchers assn in memory of old-timers Jy54:21

—historical monuments, called dipping vata, a remnant of the past, F. B. Curry, il Jy54:34

—pic, Custer battlefield memorial S54:43

—Indian Emily N54:49

MOODY, W. L. Jr. (Galveston, Texas)

—obit Ag54:114

MOORE, HENRY

—Angus make rapid strides in Texas, pic Je54:74

—pic, retiring pres Texas Aberdeen-Angus assn Mr55:165

MOORE, TOM

—pic, asst Harris county farm agent Jy54:25

MOORHOUSE, P. E. (Iran, Texas)

—obit D54:77

MORGAN, DAVID HITCHINS

—new pres Tex A&M Je54:68

MORLEY, CLYDE

—pic, west Texas Hereford assn tour Ag54:42

MORRIS, GEORGE (Amarillo, Texas)

—obit Jy54:66

MORRIS, JOSEPH S.

—pic, pres Alamo Santa Gertrudis breeders assn Mr55:160

—heads Alamo Santa Gertrudis group Mr55:184

MORRIS, R. A. (El Paso, Texas)

—obit N54:97

MORRISON, MRS. BUD

—pic, TSCRA conv Ap55:24

MORROW, W. V.

—pic, at chuck wagon Mr55:33

MOTE, EUGENE

—pic, with champ Angus steer, sf of Texas, 1952 Je54:70

MUCOSAL

—disease new threat to cattle O54:167

MUENNINK, MRS. OLGA (Rondo, Texas)

—obit Ag54:112

MULLENDORE, E. C.

—pic, annl meeting Osage county cattlemen's assn Ag54:37

MULLIN, HARRIS

—pic, dir Texas Aberdeen-Angus assn Mr55:165

MURCHISON, T. F.

—Texas A&M gets prize Angus bull Je54:139

MURPHY, JOHN W.

—pic, TSCRA conv Ap55:28

MUSE, GEORGE L. (Hereford, Texas)

—obit Jy54:67

NANCE, GEORGE (Canyon, Texas)

—obit D54:70

NATIONAL BEEF COUNCIL

—cattlemen approve at Reno meeting F55:98

—organization making progress Mr55:173

—formed My55:122

NATIONAL COTTONSEED PRODUCTS ASSN

—feeding practices bulletin dedicated to research Mr55:188

NATIONAL CUTTING HORSE ASSN

—organized in 1946 S54:137

—ten top cutting horses of 1954 D54:124

—Worrell elected head of Mr55:176

NATIONAL GRANGE

—lower prices will not increase butter consumption Ag54:140

NATIONAL HIGH SCHOOL RODEO CHAMPIONS

—Winners listed S54:152

—pic S54:185

NATIONAL INTERCOLLEGIATE RODEO ASSN

—Colorado A&M champs Ag54:54

NATIONAL LIVESTOCK AND MEAT BOARD

—annl meeting Jy54:74

—re-elects officers Ag54:88

—appetite appeal important in meat consumption Ag54:147

—Pollock honored by U. S. quartermaster corps S54:62

—pushes beef for America's cattle industry, il O54:30

—first meat program presented on color television O54:89

—new highs in meat production and consumption D54:102

—beef is not all steak Ja55:195

—all meat cuts can be tender My55:97

—meat food of variety My55:100

NATIONAL LIVESTOCK TAX COM

—new internal revenue code helpful to livestock men S54:7

—important livestock capital gains decision, Stephen H. Hart O54:7

—hyperkeratosis losses, Stephen H. Hart O54:134

—tax manual Ap55:127

NATIONAL RESEARCH COUNCIL

—grain sorghum variety tests at Temple My55:129

NATIONAL WESTERN POLLED HEREFORD ASSN

—annl meeting Ja55:123

NATIONAL WOOL GROWERS ASSN

—to meet in Fort Worth in 1956 Ja55:128

NEAL, E. M.; HALL, R. A.; JONES, J. H.

—factors involved in marketing slaughter steers Ag54:82

—farm steer beef production, il F55:25

NEBLETT, CHARLES Jr.

—pic, west Texas Hereford assn tour Ag54:43

NEBLETT, CHARLES III

—pic, west Texas Hereford assn tour Ag54:43

NEBRASKA HEREFORD BREEDERS ASSN

—annl meeting Ja55:112

NEBRASKA STOCKGROWERS ASSN

—Robert Howard appointed secretary Jy54:85

—protest opening of border Jan. 1 D54:106

NEFF, TOM

—pic, natl western champs F55:159

NELSON, A. B.; FONTENOT, J. P.; ROSS, O. B.; MacVICAR, ROBERT; DARLOW, A. E.

—protein supplements for wintering heifer calves My55:58

NESMITH, MRS. LIZZIE

—pic, Pickets county cowpunchers assn's annl meeting Jy54:23

NEW MEXICO A&M COLLEGE

—winter feeding of range livestock, Ivan Watson Ja55:196

—incentive payments on pulled wool explained F55:129

—cubes for fattening cattle My55:113

—relationships among traits in beef cattle My55:118

—effect of inbreeding on range calves My55:121

NEW MEXICO HEREFORD BREEDERS ASSN

—re-elect Rountree Ap55:48

NEW MEXICO CATTLE GROWERS ASSN

—annl conv My55:72

NEW PRODUCTS FOR THE RANCH (column)

—Jy54:108; O54:170; F55:156; My55:111

NEWSOM, CHARLEY (Seminole, Okla.)

—obit My55:67

NEWSOME, FRANK

—pic, with grand champ steer, Sand Hills Hereford show Ap55:134

NEWTON, JACK

—pic, on Buck Deuce Ap55:38

NICHOLSON, O. T. (Shamrock, Texas)

—obit Ap55:60

NOBIS, OTTO G.

—pic, dir Am Aberdeen-Angus assn Ja55:168

NOCONA BOOT COMPANY

—H. Joe Justin joins staff O54:58

NORDYKE, LEWIS

—the ten-dollar horse, il S54:103

—great roundup reviewed Mr55:189

—great roundup Ap55:18

—pic, TSCRA conv Ap55:28

NORFLEET, SID

—pic, Pickets county cowpunchers assn's annl meeting Jy54:23

NORGREN, CARL

—elected pres natl western Polled Hereford assn Ja55:123

OKLAHOMA EXPERIMENT STATION

—value of protein supplements Ja55:96

OKLAHOMA QUARTER HORSE EXHIBITORS ASSN

—elect Frank Autry pres D54:110

OKLAHOMA SHORTHORN BREEDERS ASSN

—annl meeting My55:122

OKLAHOMA SANTA GERTRUDIS BREEDERS ASSN

—Laster heads D54:98

OK&T ANGUS ASSN

—Clyde R. Bradford heads Ap55:100

OLD-TIME COW HORSES—PICTURES

—Midnight In Ithaca S54:47; Goo Goo Eyes S54:47; Jesse S54:47

ORLICH, RAMON O

—pic, buying bull from J. T. Garrett My55:24

ORTHO LIVESTOCK POCKET GUIDE AND GESTATION CHART

—new livestock pocket guide released by California Spray Chemical Co. Je54:89

ORTON, O. J.

—pic, registered Angus breeder Je54:24

OSAGE COUNTY CATTLEMEN'S ASSN

—Osage county cattlemen meet, il Ag54:34

OSAGE ORANGE HEDGE

—hedge fever, E. G. C. Williams il Je54:117

OSBORNE, J. P. (Pampa, Texas)

—obit O54:107

OTTINGER, MINNIE LOU

—pic, asst secy Texas Aberdeen-Angus assn Je54:24

—leaves Texas Angus assn Mr55:165

OVERSTREET, MARVIN

—pic, calf roping champ, Texas high school rodeo Ag54:96

PAGE, JOHN WESLEY (Salado, Texas)

—obit F55:128

PACIFIC COAST CUTTING HORSE ASSN

—annl meeting D54:102

PACKERS AND STOCKYARDS ACT

—regulations revised Ag54:141

PALMER, GARLAND T.

—pres, XII rangers F55:100

PALMETTO POLO

—game copyrighted by Florida beach riding club, Joe Hefflin Smith, il S54:48

PALOMINO CHAMPIONS

—listing 1953-1954 S54:154

—pix S54:155, 156, 176, 189, 191

PALOMINO HORSES—PICTURES

—Baby Bear S54:155; Banner Girl S54:155;

—Cliff's Golden Lady S54:155; Booger Bear S54:176; Cobb's Gold S54:155; Dawn's Golden Flirt S54:191; Georgia Buck S54:176;

—Haul O' Gold S54:176; Honey Dodger Mr55:142;

—J. Billie Thomas S54:155; Jim's Golden Joy S54:176; Mc's Blondie S54:155; Mr. Sun Tan Mr55:150; Our Pal S54:176; Quarter Gal S54:157; My55:60; Ragged Annie S54:176;

—Royal King Bailey Mr55:36; Sally McDonald S54:191; Sheik of Belvedere S54:176; Mr55:

—170; Shoe Stamp S54:157; Society Man S54:

—176; Sun Burst Mr55:40; Titanic S54:189; Wil-

—son's Lady S54:157; Zippy K S54:157

PALOMINO HORSES—SHOWS

—Tom Green county sheriff's posse horse Je54:109

—Haakell Ag54:124

—Colorado sf O54:147

—Fort Worth horsehoe club O54:155

—natl western F55:195

—southwestern expo Mr55:169

PAN AMERICAN LIVESTOCK EXPOSITION

—offers \$22,220 in prizes to five beef breeds

—Ja54:73

—sf of Texas offering \$87,528 in premiums

—My55:74

PAN AMERICAN ZEBU ASSN

—Waters heads Mr55:180

PANCOAST, J. ARTHUR

—pic, secy Santa Gertrudis Breeders internatl D54:99

PANGARA

—pic, city of the eternal spring welcomes group of Texans, good will tour Je54:28

PANHANDLE HEREFORD BREEDERS ASSN

—Dameron heads Ap55:62

PANHANDLE LIVESTOCK ASSN

—re-elect T. L. Roach, Jr Ap55:39

PARITY RATIO

—up to 91 Je54:125

PARKER, C. T. Jr

—Walker and Parker join Burrus feed mills staff S54:167

PARKER, HOWARD

—pic, TSCRA conv Ap55:28

PARKER, JAMES EARLY (Odessa, Texas)

—obit Ag54:108

PARKS, BILLY

—a tribute to the pitchfork kid, John S. Mc-

—Murry Je54:46

PARKS, RAY

—pic, with TR Zato Heir 27 Ja55:120

PARKS, ROY

—pic, pres Texas beef council N54:26

—pic, pres TSCRA Ap55:19

—pic, retiring pres Texas beef council Ap55:108

PASTURES

—fewer cattle on blue-stem osage Je54:81

—Kans. bluestem pasture report, April 1, 1955

—My55:89

PATTERSON, PAT

—pic, member Odessa chuck wagon gang O54:34

PEEL, GLENN

—pic, with natl Polled Hereford champs Ap55:90

PEOPLES, CLINT

—pic, TSCRA conv Ap55:27

PERRY, ELIZA

—pic, oil portrait of daughter of Emily and James

—P. Perry Mr55:33

PERRY, JAMES F.

—pic, former owner of peach point—father of

—present owner Mr55:32

PERRY, JAMES FRANKLIN

—pic, former owner of peach point Mr55:33

PERRY, JOE F.

—pic, dir Red Angus assn My55:131

PERRY, MRS. S. S. Sr

—pic, in main room of old house, peach point

—Mr55:33

PERRY, S. S. Sr

—pic, peach point home of Mr. & Mrs. S. S.

—Perry, Sr. Mr55:32

—pic, former owner of peach point Mr55:33

—pic, with son and grandson Mr55:33

—pic, as Moses Austin in annl historical pageant

—at West Columbia on April 21 Mr55:33

PERRY, STEPHEN S. Jr

—pic, with father and son Mr55:33

—pic, at chuck wagon Mr55:33

—pic, as Stephen F. Austin in annl historical

—pageant at West Columbia on April 21 Mr55:33

PERRY, STEPHEN S. III

—pic, with father and grandfather Mr55:33

PETERS, C. C.

—pic, dir Santa Gertrudis breeders internatl

—D54:99

PETERSON, DON

—pic, at Nocona Angus field day Je54:25

PEYOTE

—plant native to Mexico and southwestern U. S.,

—Jewell Casey, il D54:126

PEYTON, JOSEPH CAMPBELL (El Paso, Texas)

—obit D54:72

PFIZER AGRICULTURAL RESEARCH AND DEVELOPMENT

—pic, 24 pens of 300 beef steers Je54:132

PHARRISS, FRED C.

—pic, Picens county cowpunchers assn's annl

—meeting, holding granddaughters, Rhonda and

—Dianne Je54:22

PHOTOGRAPHY

—shoot your own livestock, Willard H. Porter,

—il S54:52

PICKENS COUNTY COWPUNCHERS ASSN

—annl meeting, il Je54:21

PIER, W. L.

—Fort Worth stockyards has good year Ap55:113

PIERCE, EARL

—men of the range, Ross Santee N54:51

PINGREE, SUMNER, Jr

—pic, of Cuba on good will tour to South America

—Je54:28

PITCHFORK KID

—a tribute to, John S. McMurtry Je54:46

PITTCOCK, N. A.

—pic, Pitcock from Aspermont, Willard H.

—Porter, il S54:179

PLANTS

—candles of the Lord, Edna Messer, il (yuena)

—Ap55:40

POAGE, WALTON

—pic, hoot-and-scoot, Willard H. Porter, il

—My55:80

POEMS

—the round-up cook, Jim Fisher, il N54:54

—the old freight trains, Flora May Dean

—My55:57

POISONOUS PLANTS

—peyote, Jewell Casey, il D54:126

—crow poison, Jewell Casey, il F55:135

—cattle poisoned by variegated thistle Ap55:68

—jimson weed, Jewell Casey, il My55:83

POLLED HEREFORD CATTLE

—brochure Je54:112

—APHA eases ruling on registering calves D54:62

—Gill ranch began showing in 1941 Ja55:98

—APHA rescinds six-month registration rule

—F55:100

—APHA simplifies registration rules Ap55:75

POLLED HEREFORD CATTLE—PICTURES

—typical group of cattle, M. E. Fry & Sons ranch

—Je54:31; HHR Mischief Duke OIA D54:76; JFG

—Domestic Mixer D54:77; Ja55:98; Ap55:90;

—EER Royal Numede 6 Mr55:78; Domestic Lar-

—ryann 29 Mr55:78; JR Dandydine B12 Ap55:90

POLLED HEREFORD CATTLE—SHOWS

—Missouri sf O54:143; Illinois sf O54:144; Ar-

—kansas sf N54:108; Am royal livestock expo

—N54:132; natl D54:78; natl western Ja55:92;

—southwestern expo, Mr55:76; San Antonio live-

—stock expo Mr55:146

POLLED SHORTHORN CATTLE—SHOWS

—Missouri sf O54:143; Iowa sf O54:144; Illinois

—sf O54:144; Onk sf O54:145; internatl Ja55:154

POLLOCK, DON C.

—pic, dir Am Aberdeen-Angus assn Ja55:168

POLLOCK, R. C.

—honored by U. S. quartermaster corps S54:62

—heads beef fact-finding com formed Ja55:82

POOLE, T. J. Jr

—pic, at chuck wagon Mr55:33

—POPE, L. S.; HUMPHREY, R. D.; HELLER, V. G.; CAMPBELL, W. D.

—protein supplements for fattening steer calves

—in Okla. Je54:122

POPE, RAYMOND

—pic, annl meeting Osage county cattlemen's assn

—Ag54:37

PORTER, J. EARL (Caldwell, Texas)

—obit Ja55:173

PORTER, W. F.

—pic, Picens county cowpunchers assn's annl

—meeting Jy54:22

PORTER, WILLARD H.

—Del Rio's Jim Bob, il Je54:31

—Sunny gets after 'em, (Sunny Edwards), il

—Jy54:88

—high plains roper (Earl Brown), il Ag54:46

—they're running faster than ever, il S54:44

—shoot your own livestock, il S54:42

—Pitcock from Aspermont, il S54:179

—Troy's still a threat (Troy Fort), il N54:55

—Dooley Dan, (Dan Taylor), il D54:26

—Buddy can rope, too! (Buddy Fort), il Ja55:41

—roper from Antelope (Elmer Carter), il F55:24

—Dee Burk, rope horse man, il Mr55:38

—Don McLaughlin, il Ap55:44

—hoot-and-scoot (Walton Poage), il My55:80

POTTER, M. C. (Brownwood, Texas)

—obit My55:70

PPOOL, MRS. C. H. (Haskell, Texas)

—obit D54:71

PRESTIDGE, MRS. ALLIE

—pic, Picens county cowpunchers assn's annl

—meeting Jy54:22

PREWITT, BENJAMIN THOMAS (Childress, Texas)

—obit My55:70

PRICE, HENRY

—pic, pres Picens county cowpunchers assn

—Jy54:21

PRICE SUPPORTS

—status of CCC price-support program Je54:8

—1953-crop corn under price support totals 406.3

—million bushels through May 15 Jy54:18

—crop oats support rates to be for county where

—produced My55:97

—price support stocks pile up My55:145

PRICKLEY PEAR

—an emergency feed F55:28

PRIDEAUX, M. A. (Graham, Texas)

—obit My55:65

PUMPHREY, J. B.

—pic, west Texas Hereford assn tour Ag54:43

PUMPHREY, MRS. J. B.

—pic, west Texas Hereford assn tour Ag54:43

PUMPHREY, JAY

—pic, west Texas Hereford assn tour Ag54:43

PUMPHREY, MRS. JAY

—pic, west Texas Hereford assn tour Ag54:43

—PURCELL, JOHN (Archer City, Texas)

—obit My55:63

PUREBRED LIVESTOCK REGISTRY ASSNS

—directory furnished by Breeders Gazette

—My55:82

PLYLE, E. M. Jr. (Kiowa County, Kans.)

—obit My55:66

QUARTER HORSE CHAMPIONS

—listing 1953-1954 S54:145

—pix S54:114, 116, 126, 127, 130, 153, 168, 171,

—172, 175, 178, 181, 184, 188, 190, 193, 196

QUARTER HORSES

—Comanche, Florence Fenley, il S54:42

—they're running faster than ever, Curtis Keen

—(Willard H. Porter), il S54:44

Maria Ag54:54; Poco Stampede Mr55:46; Pretty Boy Pokey Je54:96; Pretty Etta N54:179; Pretty Pam S54:188; Red Lady Koy S54:184; Reveille Sawyer F55:88; Rukin String S54:144; Rusty S54:55; Set Up S54:184; Settle Up S54:52; Shoemaker's Pay Day S54:171; Silver Joe R S54:188; Smokey Bill James Ap55:130; Snip Blake F55:24; Snooky Ap55:143; Snow Princess D54:111; Sonny Burt D54:103; Sonny Cooke S54:175; Spark Plug S54:190; Speckles S54:127; Spooked S54:52; Squeaker S54:153; Squeaky S54:175; Star Dusters Rockett S54:114; Star Queen S54:153; Stella Moore S54:44; Suite H S54:181; Susie Clapper S54:188; Susie Moore S54:188; Sutherland's Ready C A S S54:181; Tabitha S54:153; Tequila Je54:114; Terry Hancock Mr55:172; Three Bars S54:44; Tinker T Jy54:88; Tonto Gal and Colt S54:45; Toots Ja55:157; Topp K S54:126; Town Crier Ag54:52, S54:183; Trefee Ag54:46; Triangle Roan Ap55:44; Trinket Mac O54:66; Venire S54:184; War Paint S54:38, 39, F55:89; Whizzer White D54:81; Wilson's Joe Reed S54:188; Zan Ber S54:114.

QUARTER HORSES—SHOWS

Santa Rosa roundup Je54:101; Tom Green county sheriff's posse Je54:109; Ozona Jy54:73; Bosque county Jy54:100; Haskell Ag54:124; Stamford Ag54:126; Pike's Peak roundup Ag54:141; Laramie, Wyo. Ag54:158; Garza county S54:170; Wyoming sf O54:92; Colorado sf O54:147; tri-sf O54:147; Jackaboro O54:155; Fort Worth horseshoe club O54:155; Gladewater O54:167; Cottle-King O54:169; New Mexico f N54:99; Wharton county f N54:102; Prescott, Ariz. N54:173; sf of Texas N54:179; Am royal N54:182; internat'l F55:94; nat'l western F55:105; San Antonio livestock expo Mr55:152; southwestern expo Mr55:169; Houston Mr55:172; Amarillo Ap55:88; Sand Hills Ap55:135; Monahans Ap55:149; Cottle-King horse and colt My55:97.

QUINTANILLA, N. A.

—pic, vice-pres Alamo Santa Gertrudis breeders' assn Mr55:160.

RABIES

—new vaccine for rabies in cattle Ag54:147; —vaccination of cattle against rabies studied Ja55:131.

RACE HORSES

—they're running faster than ever, Curtis Keene (Willard H. Porter), il S54:44; —the Denton mare, Wayne Gard, il S54:50.

RACHEL, FRANK C. (Tucumcari, New Mexico)

—obit Ja55:171.

RAFFERTY, W. A.

—pic, treats Am Aberdeen-Angus assn Ja55:168.

RALSTON PURINA CO.

—the rumen story S54:171; —research fellowship awards program for 1955-56 Ja55:104; —new developments in beef cattle feeding, R. M. Bethke My55:94.

RANGE MANAGEMENT

—"keys" to range recovery Jy54:52; —successful aerial seeding of rangeland, Bill Leftwich, il O54:154; —making range management pay, Don Davis, il D54:24; —poisonous range plants a problem in trans-Pecos area, J. W. Dollahite F55:65; —grazing single classes of livestock in combination with several classes, Leo B. Merrill; Vernon A. Young F55:82.

RANGE NEWS OF THE SOUTHWEST (column)

—Je54:129; Jy54:95; Ag54:170; S54:119; O54:160; N54:168; D54:119; Ja55:180; F55:151; Mr55:177; Ap55:140; My55:154.

RAWHIDE

—Mexican iron; Ferris Weddle, il Je54:120.

REAGAN, ROCKY

—pic, farm steer beef production, il F55:25; —outlaws of the brush, chapter XVII from "the Longhorns", J. Frank Dobie, il Mr55:35.

RECIPES

—chili bean stew Je54:83; fluffy nutmeg lime pie Je54:83; nutmeg ice cream Je54:83; maple syrup pie Je54:83; tomato and asparagus dish Je54:84; hamburger stew Jy54:59; meat casserole Jy54:59; raisin muffins Jy54:60; cantaloupe mousse Jy54:60; creole cornbouillon Ag54:122; aioli dressing Ag54:122; pineapple with meat Ag54:122; hamburgers and potatoes Ag54:124; wine-barbecued steak S54:182; baked yams with apples S54:182; cabbage a la gourmet S54:182; calf or beef liver S54:183; banana dish S54:183; pot roast O54:94; tamale pie O54:94; meat pies O54:96; beef stew O54:97; flank steak N54:90; Jenny Lind cake N54:90; penches jubilee in a crust N54:92; chili pie N54:92; fall salad N54:94; excellency salad N54:94; beef D54:48; London roast D54:48; Brazil nut plum pudding D54:48; vinegar pie D54:50; hunters' sauce D54:50; pickled beaver tail Ja55:114; beef chop suey Ja55:114; blue cheese salad dressing Ja55:114; French dressing Ja55:114; wampus bread Ja55:116; apple coconut cake Ja55:116; hot tamales F55:68; hamburger manufacture F55:68; ranch house beans F55:68; dried beans F55:70; graham cracker cake F55:70; stew F55:70; pickled pig feet F55:70; Dutch meat loaf Mr55:70; lamb ragout Mr55:70; hush puppies Mr55:72; beef steak Mr55:72; pickled beaver tails Mr55:72; pineapple rice cream Mr55:72; brisket of beef, horseradish

sauce Mr55:184; chili Ap55:54; main dish for evening meal Ap55:54; steak souffle Ap55:54; salt rising bread Ap55:55; southwestern dish Ap55:55; low calorie salad dressing Ap55:55; ice cream—coconut My55:42; vanilla ice cream (1 gal) My55:42; ground round steak My55:42; dip My55:43; beef stew and pimiento biscuits My55:46; paprika-cheese biscuit My55:46; sherried shrimp ravigote My55:46.

RECORD, HENRY S.

—pic, pres Texas cowboy reunion assn Ag54:165.

RED ANGUS

—by Red Angus assn of America Ja55:195.

RED ANGUS ASSN OF AMERICA

—meeting board of dirs S54:191.

—red Angus Ja55:195.

—holds its annl meeting My55:131.

REDMON, NEWT

—pic, TSCRA conv Ap55:24.

REEVES, FRANK

—west Texas proud of its Herefords, il Ag54:41.

—sheriff's posses and riding clubs organize, il S54:33.

—a report from the corn belt, il N54:162.

REGAN, J. J.

—pic, TSCRA conv Ap55:28.

RENEAU, J. B. Jr.

—pic, with Glenn Tole and J. B. Reneau, III Je54:24.

RENEAU, J. B. III

—pic, with Glenn Tole and Dr. Reneau, Jr. Je54:24.

REPPETO, W. CARL

—retires from Armour & Co. O54:128.

REYNOLDS, MRS. B. W.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, GEORGE T.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, GEORGE WILLIAM (Orange, Texas)

—obit O54:109.

REYNOLDS, JOE

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, WATT Sr.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, WATT Jr.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, WESLEY (Midland, Texas)

—obit S54:169.

REYNOLDS, WILL D.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

REYNOLDS, WILL D. Jr.

—pic, Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28.

RHOAD, A. O.

—pic, Santa Gertrudis judging conference Je54:130.

RHOADS, DARRELL

—pic, the boys' cutting horse contest champ, Texas high school rodeo Ag54:96.

RHODES, GENE

—men of the range, Ross Santee N54:51.

RICE, MRS. JOHN E.

—pic, with natl Polled Hereford champs Ap55:90.

RICE, JOHN E.

—pic, with natl Polled Hereford champs Ap55:90.

RICHARDS, FRANK

—pic, secy Am Aberdeen-Angus assn Ja55:168.

RICHARDSON, MRS. MATILDA IDELLA (Alice, Texas)

—obit Jy54:69.

RICHARDSON, SKEET

—photos for "Indian territory cowboys meet" Jy54:21.

RICHESON, MRS. ROY (Littleton, Colorado)

—obit D54:73.

RICHTER, MRS. KATE (Pleasanton, Texas)

—obit F55:123.

RIDING CLUBS

—sheriff's posses and riding clubs organize, J. Frank Reeves, il S54:33.

RILEY, D. A. (Fredericksburg, Texas)

—obit Ag54:112.

RILEY, LANHAM

—pic, mounted on Mr. Reed Ap55:143.

RIO GRANDE VALLEY LIVESTOCK SHOW

—Fort Worth man angels, Paul T. Vickers My55:91.

RINGWORM

—animals can transmit to humans O54:169.

ROACH, T. L. Jr.

—panhandle livestockmen re-elect Ap55:39.

ROBERTS, DAN

—pic, dir Texas Aberdeen-Angus assn Mr55:165.

ROBERTS, WILLIAM A. (Oceola, Mo.)

—obit My55:67.

ROBERTS, WYLLIE

—pic, Montague county agent Je54:25.

ROBESON, TOLBERT C.

—pic, coastal Bermuda grass comes to Texas, Roger R. Letz, il Ap55:30.

ROBY, J. TED

—pic, member Odessa chuck wagon gang O54:34.

ROCHE, WILLIAM S.

—Iowan joins Angus assn staff on Pacific coast D54:107.

RODDY, ROY

—pic, TSCRA conv Ap55:29.

RODEOS

—pic, Texas state high school championship rodeo winners Ag54:96; —New Mexico high school rodeo champs, pic Ag54:148.

—champ Texas high school rodeo named Ag54:157.

—winners in natl championship high school rodeo S54:152.

—annl all-girl rodeo My55:40.

RODGERS, SAM D. (Fort Worth, Texas)

—obit Jy54:66.

ROGERS, ALAN

—hosting the irons of beef cattle research D54:79.

ROJAS, GUSTAF

—pic, pres of Colombia Je54:28.

ROMERO, ARCHER

—pic, pres Houston fat stock show Jy54:93.

ROSE, W. P. "RED"

—pic, sheriff and state representative capture two "deep freeze" cattle rustlers, il D54:54.

ROSENTHAL, COY

—pic, Pickets county cowpunchers assn's annl meeting Jy54:22.

—pic, TSCRA conv Ap55:26.

ROSS, O. B.; MacVICAR, ROBERT; DARLOW, A. E.; NELSON, A. B.; PONTENOT, J. P.

—protein supplements for wintering heifer calves My55:58.

ROSS, MRS. W. L. (Pecos, Texas)

—obit Mr55:136.

ROSSITER, FRED J.

—agricultural attaches F55:130.

ROTHE, JACOB (San Antonio, Texas)

—obit Ag54:112.

ROUNTREE, W. H. "BILL"

—New Mexico Hereford breeders re-elect Ap55:48.

ROUTT, H. R.

—pic, TSCRA conv Ap55:27.

ROYER, JOHN H. Jr.

—pres, APHA D54:76.

RUSH CREEK RANCH

—Texans purchase 90,000-acre Colorado ranch Je54:32.

RUSSELL, BUD (Blum, Texas)

—obit Mr55:132.

RUSSELL, CHARLES M.

—the buffalo hunt, the CATTLEMAN COVER Jy54.

—pen sketch, the CATTLEMAN COVER N54.

—pen sketch, the CATTLEMAN COVER F55.

—2 paintings given to Jack Turner Mr55:167.

RUSSELL, JOHN A.

—pic, Pickets county cowpunchers assn's annl meeting Jy54:22, 23.

RUST, ADLAI H.

—pic, dir Am Aberdeen-Angus assn Ja55:168.

RUSTLERS—RUSTLING—See: CATTLE THEFT PROSECUTIONS AND LIVESTOCK THEFT.

RUTHERFORD, BUCK

—named all-around cowboy for 1954 F55:106.

SADDLES

—Argentinian presents Lazear with saddle, pic S54:186.

SADLER, GEORGE W. (Van Horn, Texas)

—obit Mr55:132.

SAHULA-DYCKE, IGNATZ

—the deal on horseback, THE CATTLEMAN cover S54.

SAILOR, B. E. (Palacios, Texas)

—obit N54:97.

SALES

(A—Aberdeen-Angus; B—Brahman; H—Hereford; PH—Polled Hereford; S—Shorthorn)

A valley cow and calf Je54:42; Alford herd to Byars Royal Oaks and 4 Wynnes Je54:73;

Wyoming H ranch spring bred heifer Je54:90;

Sawyer Cattle Co. sells huge ranch properties Je54:90; Texas H roundup Je54:92; Welsh H dispersion Je54:92; Hillcrest Je54:94; Three D QH Je54:106; Santa Gertrudis cattle to Philippine Islands Je54:110; Shadow Isle A dissolution Je54:110; Central Texas S Je54:112; Pan-Tech test and sale Je54:139; Chesher A dispersal Je54:139; E. L. Culver's Clifton Place H dispersion Jy54:64; H heaven 10th annl heifer Jy54:69; Hill country all female H Jy54:70; Malone ranch PH dispersion Jy54:71;

Panola-Tate breeders PH calf Jy54:71; Hunsicker sale stopped Jy54:75; Circle A H farm Jy54:85; Bar-Walk farms Hampshire dispersion Jy54:91; Myers-Smith Charbay Jy54:91; L. L. Kinder H dispersion Jy54:100; Charnay A farms herd reduction Jy54:100; San Angelo A distribution and range bull Jy54:105; Joe Brown A dispersion Jy54:105; rocky mountain QH assn Ag54:88; Hays A dispersion Ag54:132;

A feeder calf, Fort Worth Ag54:142; Valley-mere A farm S54:206; Francis Miller H dispersal O54:105; Bradford A O54:127; Gold Point A dispersion O54:130; A feeder calf O54:132; Myers-Smith Charbay O54:138; Okla. A feeder calf O54:142; central Texas PH O54:155; east Texas S O54:167; shetland pony brings \$10,100 N54:97; WHR N54:111; Hi-Point N54:120; Ken Mar ranch N54:120; Metzger H dispersion N54:125; Magic Empire H N54:125;

Panola-Tate PH calf N54:126; Chicago feeder cattle H N54:127; southwestern S breeders N54:128; Texas PH round-up N54:128, Heart

O'Texas H N54:129; Mid-Texas A N54:140; north central Texas A N54:147; east Texas 4-H and FFA N54:152; Oklahoma Santa Gertrudis N54:152; Byars-4 Wynnes-Simon A N54:153; New Mexico A N54:153; state A N54:154; Wichita Mountains Wildlife Refuge N54:157; Yates Charollaise N54:174; Chicago feeder cattle D54:60; Circle A. H. farm D54:66; N'l PH D54:77; northeast Oklahoma Brangus D54:90; King Ranch Santa Gertrudis bull D54:99; Kingsville Santa Gertrudis heifer D54:99; Pioneer Santa Gertrudis D54:99; Randle Lake Plantation Santa Gertrudis D54:100; east Texas Santa Gertrudis D54:100; south Texas A D54:106; Curtis-Burford A D54:106; Idlewild A D54:106; Quality Prince A D54:106; Brook-Shahan A D54:107; A roundup D54:107; southwestern regional A D54:107; south Texas H breeders D54:109; Randle Lake QH D54:110; King ranch QH D54:111; capital area H D54:116; Palo Pinto H assn D54:116; Greenbelt H assn 3rd annl D54:118; Hill country H D54:123; Magic Empire range bull D54:123; Bennie H. Wilson H D54:123; Gulf Coast H assn D54:123; H roundup D54:134; Cravens H ranch D54:134; Lakeview farms H Ja55:92; Anxiety H breeders Ja55:94; TR Zato Heir Ja55:112; Lazy S ranch Ja55:127; natl western PH Ja55:132; Roy R. Largent Ja55:163; Burch-Johnson A Ja55:173; Cole S dispersion Ja55:175; Montague county H Ja55:176; Par-Ker ranch H Ja55:176; Hill country A Ja55:176; Moore Bros.-Lemley-Allen A Ja55:176; Stoneybrook ranch A Ja55:177; Simon A Ja55:177; Hereford heaven Ja55:179; Clay county H assn Ja55:179; S congress Ja55:179; Texas-Okla. H breeders Ja55:186; Cedar Lane farms Ja55:186; MHM H farms Ja55:186; West Texas H assn Ja55:190; CK ranch H Ja55:190; Coleman county H breeders Ja55:190; Blanco county H Ja55:198; Show Window A Ja55:198; Brown county PH F55:97; Concho H F55:99; Howard-South Plains H F55:100; Mid-Texas H F55:101; natl western H F55:103; mid-south PH F55:104; Hull-Dobbs PH F55:109; Gorges A F55:116; Sunbeam farms F55:134; rice farmers A F55:135; three-in-one A F55:137; Angus Valley F55:159; Texas PH Mr55:116; southeastern New Mexico H Mr55:116; Double E ranch PH Mr55:118; Figure 4 Charollaise and Charbray Mr55:128; Soudra-Lin ranch A Mr55:138; Fort Worth A range bull Mr55:138; Essar ranch A Mr55:140; Fort Worth A Mr55:140; west Texas Santa Gertrudis Mr55:158; Dusty Acres A Mr55:160; Perth, Scotland A Mr55:164; Mecom-77 ranch A Mr55:164; Top O' Texas H assn Mr55:167; southwestern H Mr55:167; Texas PH Mr55:167; Circle M ranch PH Mr55:168; Southwest Okla. cattlemen's assn Mr55:170; 5th annl San Antonio H Mr55:171; North Plains H breeders 9th annl Mr55:171; Straus Medina H Mr55:176; Charmay A Mr55:181; Thompson-Sumner A Mr55:183; Hill Ph. Ap55:43; McNatt H Ap55:150; R. M. Fry H Ap55:60; Cravens ranch 2nd annl range bull Ap55:62; TPHA, Marshall Ap55:64; east Texas H breeders Ap55:64; Okla. H breeders Ap55:86; Panhandle H breeders Ap55:89; northeast Texas A Ap55:102; Blackland area A Ap55:102; San Antonio A Ap55:104; central Texas S Ap55:107; capital area A Ap55:107; southern Okla. A Ap55:107; Louisiana B assn annl Ap55:113; Okla. S Ap55:114; southwestern S breeders Ap55:115; Circle H ranch Ap55:122; King H Ap55:122; Sand Hills H. Ap55:122; Panola-Tate PH calf Ap55:132; CK ranch H. Ap55:132; Okla. A breeders Ap55:139; Willett H. D. L. Ap55:141; Ap55:143; Suncrest-Mill Iron H. Co. My55:71; O'Bryan ranch P. H. My55:71; 3rd annl Pan-Tech tested bull My55:73; Edg-Cliff farms H My55:75; Caraway S My55:114; Rue ranch Charbray My55:123; Red Oak farms A My55:136; Pfeiffer stock farm A My55:136; west Texas A Mr55:143; Ardmore A My55:143

SAMUELS, SIDNEY L.
—pic, addressers TSCRA conv Ap55:22

SAN ANTONIO LIVESTOCK EXPOSITION
—offers \$90,000 in premiums N54:84
—officials named D54:66

SANDERS, C. C.
—pic, with M Miss Zato Heir Ap55:134

SANTA GERTRUDIS BREEDERS INTERNATIONAL
—judging conference at King ranch Je54:102
—adds 50 members Je54:104
—busy classifying cattle Jy54:91
—judging conference in Florida Ag54:162
—issue herd book S54:185
—annl meeting D54:98
—pic, officers and dirs D54:99
—changes in judging breeding cattle Mr55:157
—505 head of Santa Gertrudis approved for export past 5 months Ap55:121
—Santa Gertrudis steers win grand championship in Cuba My55:142

SANTA GERTRUDIS BREEDERS (AUSTRALIAN) INTERNATIONAL
—Australian Santa Gertrudis breeders organize My55:64

SANTA GERTRUDIS CATTLE
—boys fitting cattle for east Texas sale Je54:7
—judging conference at King ranch Je54:102
—to Philippine Islands Je54:110

—Santa Gertrudis breeders internatl busy classifying cattle Jy54:81
—judging conference in Florida Ag54:162
—to South Africa Ag54:162
—herd book issued S54:185
—to British Guiana O54:138
—compete at four shows and sell at two auctions N54:148
—changes in judging breeding cattle Mr55:157
—505 head approved for export during last 5 months Ap55:121
—breeders spur carcass study Ap55:121
—to Australia Ap55:121
—Australian breeders organize My55:64
—steers win grand championship in Cuba My55:142

SANTA GERTRUDIS CATTLE—PICTURES
—The Red Queen N54:148; Red Bud N54:149; Simon Legree N54:150; Tomato N54:150; May Cara N54:151; Prince Albert II Mr55:110; Colmena 333 Mr55:111; Chief Mr55:179; Lucy C Ap55:120

SANTA GERTRUDIS CATTLE—SHOWS
—central, east Texas O54:56; Gregg county f N54:148; Heart O' Texas f N54:149; Tulsa sf N54:150; sf of Texas N54:150; southwestern expo Mr55:86; Houston fat stock show Mr55:110; San Antonio livestock expo Mr55:150; LSU, Baton Rouge Ap55:120; Florida sf Ap55:120

SANTÉE, ROSS
—men of the range, il, chapter from "lost pony tracks" N54:51

SARTWELLE, J. D.
—pic, vice-pres Texas beef council N54:26
—pic, coastal Bermuda grass comes to Texas, Roger B. Letz, il Ap55:30, 32

SAVELL, THEODORE (Sonora, Texas)
—obit N54:96

SAYLES, W. O.
—pic, sagebrush sleuth, Chester Newton Hess, il Ja55:37

SCOFIELD, FRANK
—pic, Shorthorn breeder Je54:28

SCOTT, MR.
—pic, cowboys put their trust in horses, Mrs. R. L. Duke, il S54:47

SCOTT, E. L.
—correction: has not taken over management of Mill Iron ranches Je54:84

SEEGER, BILL
—Arkansas Hereford breeders elect pres Ja55:94

SEIBEL, CHARLIE CLAYTON (Liverpool, Texas)
—obit N54:97

SELINAS, SENOR
—pic, Chanslor E. Weymouth, Mary W. Clarke, il S54:41

SEWELL, A. A.
—pic, Osage county agricultural agent Ag54:35

SEWELL, STEWART
—pic, dir Texas Aberdeen-Angus assn Mr55:165

SEYMOUR, WM. L. (Canutillo, Texas)
—obit N54:97

SHAHAN, J. T.
—pic, dir Texas Aberdeen-Angus assn Mr55:165

SHANNON, F. B. (Stephenville, Texas)
—obit Jy54:68

SHANNON, PIERCE
—Navajo Indians hit the warpath for water, il Mr55:34
—crown feeding calves, il My58:38

SHARP, GEORGE W. (Johnson City, Texas)
—obit Ag54:112

SHAW, JACK
—pic, shoot your own livestock, Willard H. Porter, il S54:53

SHEEK, W. A. "TUCK" (Paducah, Texas)
—obit Ag54:114

SHEFFIELD, CARL
—pic, central Texas Pollerd Hereford tour Jy54:31

SHEFFIELD, MRS. COLLIE
—pic, west Texas Hereford assn tour Ag54:42

SHEPHERD, HORACE
—men of the range, Ross Santee N54:72

SHERIFF POSSES
—Tom Green county sheriff's posse horse show Je54:109
—sheriff's posses and riding clubs organize, Frank Reeves, il S54:33

SHETLAND PONY—SHOWS
—Tom Green county sheriff's posse horse show Je54:109

SHIPE, MARTHA
—pic, won naming contest Je54:70

SHIVERS, ALLAN
—pic, gov proclaims Nov. 8-14 "beef week in Texas" N54:26

SHORTHORN CATTLE
—southwestern Shorthorn breeders meet in Beaumont D54:118
—Caraways are among first exhibitors in the southwest, il Ja55:174

SHORTHORN CATTLE—PICTURES
—HIF Air Augusta S N54:118; Kamar Champion Upright N54:119; Mr55:100, 128; champ produced by Golden Oaks farms Ja55:174; Echt Prince Regent F55:114; WL Lovely Victoria 2nd F55:114; Leveldale Blythesome Mr55:98; Leveldale Event Mr55:100; Leveldale Augusta Lass Mr55:178;

SHORTHORN CATTLE—SHOWS
—Missouri sf O54:143; Wisconsin sf O54:143; Iowa sf O54:144; Illinois sf O54:144; Ohio sf O54:145; Colorado sf O54:146; Ozark Empire

f O54:146; Kansas free f O54:146; Nebraska sf O54:147; east Texas f O54:152; Heart O' Texas f N54:102; Kansas sf N54:108; Tulsa sf N54:114; Pan Am livestock expo N54:118; Am royal livestock expo N54:136; south Texas sf N54:154; Oklahoma sf N54:157; grand natl D54:78; Louisiana sf D54:103; internatl Ja55:144; Arizona natl F55:76; natl western F55:113; southwestern expo Mr55:80; Houston fat stock show Mr55:98; San Antonio livestock expo Mr55:148

SHULTZ, MRS. ANN (Fort Worth, Texas)
—obit O54:109

SHULTZ, S. C. (Sweetwater, Texas)
—obit Jy54:67

SHULTZ, S. S.
—pic, Pickens county cowpunchers assn's annl meeting Jy54:22
—heads Fort Worth livestock market institute My55:47

SILKWOOD, G. B.
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23

SILOS
—floor that trench, Bob Gray, il Jy54:25
—pic, trench silo, T. Cross Cattle Co. Ag54:44

SIMMONS, JONNIE
—pic, with SCS, Nocona Je54:24

SIMMONS, LENNON LEE (Cleveland, Texas)
—obit D54:71

SIMON, JOHN
—pic, dir Am Aberdeen-Angus assn Ja55:168

SIMON, URBAN
—pic, with Barbarosa 406th of SAF N54:147
—pic, one-third interest in \$300,000 bull Mr55:135

SIMONS, D. T.
—heads Am Jersey Cattle Club Jy54:32

SIMPSON, F. M.
—Chicago saddle and sirloin club honors F55:106

SIMS, FRANK H.; CROOKSHANK, H. R.
—wheat poisoning in cattle, il F55:155

SIMS, GROVER J.
—U. S. cattle to improve South American herds, il My55:29

SIMS, GROVER J.; BLOODGOOD, DOROTHY
—Latin-Am livestock numbers My55:12

SIRINGO, CHARLIE
—pic, sagebrush sleuth, Chester Newton Hess, il Ja55:36

SKINNER, T. P.
—pic, at Angus field day, Nocona Je54:24

SKRABANEK, R. L.; ADKINS, W. G.
—Texas farm population down My55:138

SLICK, TOM
—pic, owner Essar ranch Je54:70

SLOCUM, FRED
—pic, TSCRA conv Ap55:24

SMITH, A. L.
—pic, with grand champ steer sf of Texas N54:116

SMITH, A. L.; THOMPSON, UEL D.
—crown feeding beef calves, il Ja55:42

SMITH, A. N.
—pic, heads Louisiana Brahman assn Ap55:112

SMITH, C. A. Jr.
—pic, with Hillcrest Larry 25 Je54:94

SMITH, CAL
—pic, with M Miss Zato Heir Ap55:134

SMITH, GEORGE B.
—pic, annl meeting Osage county cattlemen's assn Ag54:36

SMITH, HARDIN
—men of the range, Ross Santee N54:78

SMITH, JIMMY
—pic, TSCRA conv Ap55:28

SMITH, JOE HEFLIN
—ranch foreman, (Shorty Kennedy), il Jy54:26
—life along the Canadian, il Jy54:30
—palmetto polo, il S54:48

SMITH, WAYLAND
—pic, annl meeting Osage county cattlemen's assn Ag54:37

SMITH, W. T.
—pic, Pickens county cowpunchers assn's annl meeting Jy54:22

SMYTH, RAY
—pic, Texans fattening more beef cattle, il O54:37

SNIDER, CRATE
—pic, sheriff's posses and riding clubs organize, Frank Reeves, il S54:33

SNYDER, M. L.
—pic, with Barbarosa 406th of SAF N54:147

SOCIAL SECURITY
—social security for farm employees, J. D. Bauer, il N54:34
—valuable vital information from bureau of census Ja55:127

SOIL CONSERVATION
—Texas ranges and the drouth, H. M. Bell, il S54:46
—grow grass by keeping cover, R. M. Milhollin, il N54:106
—USDA reports on wind erosion My55:100

SOLOMON, JACK
—pic, with Barbarosa 406th of SAF N54:147

SOOY, S. S.
—pic, Pickens county cowpunchers assn's annl meeting Jy54:23, 24

SOTOLA, JERRY; HUGHES, CHARLES E.
—ruminant nutrition, il F55:22

SOUTH TEXAS ABERDEEN-ANGUS ASSN
—Maedgen heads Ap55:104

SOUTH TEXAS HEREFORD ASSN
—Hereford tour Je54:89

SOUTHEASTERN QUARTER HORSE ASSN

—elect Bob Corley F55:134
SOUTHERN, MRS. V. A. (Georgetown, Texas)
 —obit Mr55:133

SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION

—trace minerals increase forage yield Ap55:121
SOUTHWEST RESEARCH CENTER
 —new Johnson grass hybrid may help solve south Texas feed problem O54:73

SOUTHWESTERN EXPOSITION AND FAT STOCK SHOW

—supts named S54:133
 —judging contests feature D54:45
 —carlot bull show D54:68
 —report of show Mr55:74
 —annl membership, dirs and exec com meeting My55:48

SOUTHWESTERN SHORTHORN BREEDERS ASSN

—meet at R. E. (Bob) Smith ranch Jy54:99
 —annl meeting D54:118

SOUTHWORTH, BIG JOHN (Post, Texas)

—obit Je54:49

SPAHR, JAY

—pic, member Odessa chuck wagon gang O54:34

SPENCER, DICK III

—chuck wagon cartoon Je54:83; Jy54:59; Ag54:122; S54:182; O54:94; N54:90; D54:48; Ja54:114; F55:165; M55:70; Ap55:94; My55:42

SPITZER, A. H. "TEX"

—pic, pres Am Aberdeen-Angus Assn Ja55:168

—new pres of Am Aberdeen-Angus assn Ja55:175

SPRINGER, LYLE V.

—pic, exec asst Am Aberdeen-Angus assn Ja55:168

STAMPS

—modern agriculture, Bahamas D54:38

STANGEL, W. L.

—pic, with grand champ steer sf of Texas N54:116

STATE FAIR OF TEXAS

—supts named for livestock show S54:157

STEERS—PICTURES

—champion Angus sf of Texas, 1952 Je54:70; reserve grand champ Angus southwestern expo 1954 Je54:70; champ Hereford, Tulsa sf N54:114; grand champ sf of Texas N54:116; Texas Longhorn N54:169; Shorty (Angus) Ja55:138; grand champ, natl western F55:110; grand champ junior div natl western F55:110; grand champ southwestern expo Mr55:74; reserve champ southwestern expo Mr55:74; grand champ, San Antonio Mr55:142; grand champ Amarillo fat stock show Ap55:87; grand champ, Sand Hills Hereford show Ap55:134; grand champ, Abilene My55:84; champ lot of steers, Summer Pingree, Havana, Cuba My55:142

STEGENT, JOHNNIE

—pic, the battle with huaisache D54:22

STEPHENS, DWIGHT

—pic, supt Fort Reno livestock experiment station Je54:23

STEPHENS, JOHN W.

—factors affecting livestock investment trends Je54:128; Jy54:94; Ag54:26; S54:24; O54:156; N54:32; D54:108; Ja55:185; F55:148; M55:174; Ap55:137; My55:151

STEVENSON, OAKLEY

—pic, natl western champ F55:159

STEWART, FLYNN

—pic, registered Angus breeder Je54:24
 —pic, 2nd vice-pres Texas Aberdeen-Angus assn Mr55:165

STEWART, MARY ANN

—pic, with Bob Collins and Minnie Lou Ottinger Je54:24

STIMPSON, MRS. BEVERLY

—pic, Pickens county cowpunchers assn's annl meeting Jy54:22

STOKES, BOONE

—pic, photo analysis of a cowboys' first contest ride, Monte Foreman, il S54:38

STOREY, JACKSON GREY

—tree trimming, THE CATTLEMAN cover D54

STOW, CHARLIE

—pic, Pickens county cowpunchers assn's annl meeting Jy54:24

STRIBLING, J. C. Sr (Rotan, Texas)

—obit N54:96

STROMAN, WM. LEE (Hebbroville, Texas)

—obit N54:96

STUART, TOMMIE E.

—pic, with Essar ranch Je54:24

—new mgr for Byars Royal Oaks Ap55:133

STURGES, LENA

—women on the old Chisholm trail Ag54:92

SULLIVAN, MIKE

—pic, XIT cowhands meet, Mary W. Clarke, il O54:39

SWAFFAR, PAUL

—pic, asst secy Am Hereford assn Ag54:31

—pic, new secy Am Hereford assn N54:122

SWARTZ, DICK

—Texans purchase 90,000-acre Colorado ranch Je54:82

SWEETWATER AREA HEREFORD BREEDERS ASSN

—elect Turner Ap55:122

SWENSON, W. G.

—pic, mgr SMS ranch Ag54:43

TALBOT, D. G.

—pic, Texans fattening more beef cattle, il O54:37

TALES OF THE RANGE

—dogies, Henry C. Harding as told to Guy Harding Goodman and Wilda Warren D54:58
 —chuck wagon tales, Henry C. Harding as told to Guy Harding Goodman and Wilda Warren, il F55:19
 —the lost herd, Henry C. Harding as told to Guy Harding Goodman and Wilda Warren My55:126

TANTILLO, JOE

—pic, bareback bronc champ, Texas high school rodeo Ag54:96

TAYLOR, DAN

—pic, "Dooley Dan", Willard H. Porter, il D54:26

TAYLOR, JAY

—selling their product—beef, il O54:33

—pic, pres Am natl cattlemen's assn F55:98

—opportunities in appetites F55:142

—change or bust, pic Ap55:70

—temporary pres natl beef council My55:122

TAYLOR, MILAM

—men of the range, Ross Santee N54:52

TELEVISION

—first meat program presented on color television O54:89

TERRELL, L. K. (Albuquerque, New Mexico)

—obit Je54:50

TEXAS ABERDEEN-ANGUS ASSN

—Angus make rapid strides in Texas, Henry Moore, pres Je54:74

—better beef from better quality Angus feeders, il O54:86

—C. W. Chandler new pres Mr55:140

—pic, officials of Mr55:165

—Minnie Lou Ottinger leaves Mr55:165

TEXAS ABERDEEN-ANGUS NEWS (column)

—S54:196; O54:142; D54:86; Ja55:168

TEXAS A&M COLLEGE

—Dr. David Hitchins Morgan new pres Je54:68

—Brahman crossbred dresses 71.2 per cent Je54:110

—gets prize Angus bull Je54:139

—keys to range recovery Jy54:52

—Texans honored by saddle and sirloin club Jy54:72

—authorities report on tests conducted on cattle fed and marketed by Beeville station Ag54:82

—no beef cattle short course this year Ag54:132

—peanut hulls and prairie hay 'in rations for fattening steers, J. C. Williams; J. H. Jones S54:117

—system launches program to aid cattlemen N54:126

—what research shows about huaisache control D54:23

—why brush control?, C. E. Fisher; Cecil H. Meadors, Jr., il Ja55:40

—creep feeding beef calves, A. L. Smith; Uel D. Thompson, il Ja55:42

—save by feeding early Ja55:118

—rations provided by research and study Ja55:131

—diethylstilbestrol for fattening yearling steers, P. T. Marion; C. E. Fisher; J. H. Jones, il Ja55:133

—farm steer beef production, E. M. Neal; J. H. Jones; R. A. Hall, il F55:25

—prickly pear an emergency feed F55:28

—grazing single classes of livestock in combination with several classes, Leo B. Merrill and Vernon A. Young F55:82

—back to school, Ron Logan, il F55:92

—fertilizer helps Texas agriculture prosper F55:94

—Santa Gertrudis breeders spur carcass studies Ap55:121

—a new \$750,000 hospital where veterinarians train, il My55:26

—beef cattle selection based on performance, J. C. Miller, il My55:32

—Adams dean of school of agriculture My55:89

—Texas farm population down, W. G. Adkins; R. L. Skrabanek My55:138

TEXAS APPALOOSA HORSE CLUB

—holds fall meeting D54:110

TEXAS BEEF COUNCIL

—organized Je54:127

—organized Ag54:129

—Walker to direct, pic S54:177

—selling beef to Texans, Loran H. Walker O54:32

—Gov. Shivers proclaims Nov. 8-14 "beef week in Texas," il N54:26

—beef week in Texas successful promotion, il D54:10

—progress report week ending Dec. 24, 1954 Ja55:16

—progress report F55:136

—beef sales up in promotion period Mr55:112

—recipe contest winners announced Mr55:184

—program extended Ap55:108

—launches spring membership campaign My55:144

TEXAS COWBOY REUNION

—annl meeting Ag54:165

TEXAS FOREST SERVICE

—pic, Osage hedge tree Je54:117

TEXAS GAME AND FISH COMM

—plans made to increase Bighorn sheep Ja55:184

TEXAS GULF COAST ABERDEEN-ANGUS ASSN

—elect officers Mr55:165

TEXAS HEREFORD ASSN

—Texas register-of-merit shows and standings Ag54:76

—elect Henry Arledge Mr55:121

TEXAS POLLED HEREFORD ASSN

—Suel Hill pres Mr55:36

TEXAS RESEARCH FOUNDATION

—selecting contestants for Hoblitzelle awards Ja55:132

—coastal Bermuda grass Mr55:72

—the relationship of soil fertility and beef cattle production, Tom Longnecker Ap55:84

—button clover shows promise in east Texas My55:114

TEXAS SHEEP AND GOAT RAISERS ASSN

—Hodge new pres D54:92

TEXAS SHORTHORN BREEDERS ASSN

—Friedlander heads Mr55:183

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSN

—Texas beef council organized Je54:127

—board of dirs meeting Ag54:7

—Hobart reports on agricultural trade mission to Asia, pic Ag54:40

—officers at Waggoner ranch, pic Ag54:143

—board of dirs meeting N54:5; F55:5

—rancher checks check for steer sold in 1949 Mr55:158

—78th annl conv, il Ap55:19

—resolutions adopted 78th annl conv Ap55:23

—ranch folk had big time in big D, Mary W. Clarke, il Ap55:25

—change or bust, Jay Taylor, addr at conv Ap55:70

—looking ahead with livestock and meats, Wesley Hardenbergh, addr at conv Ap55:76

—the relationship of soil fertility and beef cattle production, Tom Longnecker, addr at conv Ap55:84

—program of Texas Beef council extended Ap55:108

—the water problem, report of water conservation com to conv Ap55:128

—Texas Beef council launches spring membership campaign My55:144

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSN—INSPECTOR

—render valuable service in locating stray cattle Jy54:7

—gather at Waggoner ranch Ag54:143

—thoughts of long ago, Bob Beverly N54:56

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSN—PRESIDENTS

—Reynolds a history making name in cattle industry of the southwest, Mary W. Clarke, il Jy54:28

—Chanslor E. Weymouth, Mary W. Clarke, il S54:40

TEXAS TECHNOLOGICAL COLLEGE

—Pan-Tech farms beef progeny tests, C. Dale Hoover Jy54:61

—pic, livestock judging team champs, natl western F55:159

—beef cattle selection based on performance, J. C. Miller, il My55:32

—results of Pan-Tech farms bull progeny tests My55:73

TEXAS VALLEY

—a report from, Paul T. Vickers Ja55:164

THIEMAN, HAROLD W.

—heads Shorthorn breeders Ja55:166

—THOMAS, G. E. (Eagle Lake, Texas)

—obit F55:126

THOMAS, GEORGE

—pic, Gulf Coast dairyman Jy54:25

—THOMAS, J. C. (Austin, Texas)

—obit Je54:50

THOMAS, SANDY

—pic, queen, Texas high school rodeo Ag54:96

—pic, queen, natl high school rodeo S54:185

THOMPSON, TOMMY

—pic, at Nocona Angus field day Je54:25

—THOMPSON, UEL D.; SMITH, A. L.

—creep feeding beef calves, il Ja55:42

THORNTON, R. L. (Bob)

—pic, mayor of Dallas Ap55:20

THORSON, DONALD

—pic, champ bull riding natl high school rodeo S54:185

THRIFT, DAVID B.

—pic, secy-treas Alamo Santa Gertrudis breeders assn Mr55:160

TIMMONS, DELBERT

—pic, Lipscomb county agent N54:116

TOLE, GLENN L.

—pic, secy Texas Aberdeen-Angus assn Je54:24; Mr55:165

TOMHAVE, WILLIAM H. (Aurora, Ill.)

—obit Jy54:68

TOURS

—south Texas Hereford assn tour Je54:89

—central Texas Polled Hereford tour, il Jy54:31

—southwestern Shorthorn breeders Jy54:99

—west Texas Hereford assn, Frank Reeves, il Ag54:41

TRAILS AND TRAIL DRIVES

—horsehead crossing, Wayne Gard, il D54:21

TRANCE, MRS. JACK

—pic, sheriff's posses and riding clubs organize, Frank Reeves, il S54:35

TREADWELL, W. W. (Menard, Texas)

—obit Ja55:170

TRIBBLE, CHESTER C. (Webb County, Texas)

—obit Ag54:108

TUCKER, MARVIN L.

—elected pres Nebraska Hereford assn Ja55:112

TUCKER, ROY

--men of the range, Ross Santee N54:73

TURNER, DAVID

--pic, Hereford breeders present paintings to Jack Turner Mr55:167

TURNER, FRED W. (Weslaco, Texas)

--obit Ja55:170

TURNER, JACK

--pic, secty Am Hereford assn Ag54:31

--resigns as secty Am Hereford assn N54:122

--Hereford breeders present paintings to, pic Mr55:167

TURNER, MRS. JACK

--pic, Hereford breeders present painting to Jack Turner Mr55:167

TURNER, JACK JR

--pic, Hereford breeders present paintings to Jack Turner Mr55:167

TURNER, PAUL

--pic, west Texas Hereford assn tour Ag54:43

--Sweetwater area Hereford breeders elect Ap55:122

TURNER, MRS. PAUL

--pic, west Texas Hereford assn tour Ag54:43

ULMER, WALLACE (Miles City, Mont.)

--pres natl wool growers assn Ja55:128

--obit My55:56

UNITED STATES DEPARTMENT OF AGRICULTURE

--status of CCC price-support program Je54:38

--hyperkeratosis of cattle Je54:30

--offers to sell "garlicky" wheat for feed Je54:75

--protein supplement for calves on range Je54:111

--scrapie disease discussed Je54:125

--parity ratio up to 91 Je54:125

--secty Benson announces 1955 wheat program and diverted acre provisions Jy54:7

--1953--crop corn under price supports Jy54:18

--cash receipts from specified farm commodities as per cent of cash farm receipts by states 1953, il Jy54:55

--fewer cattle on blue stem-osaage pastures Jy54:81

--more cows artificially bred Jy54:100

--industry leaders plan beef-vegetable campaign Ag54:114

--injections may control grubs Ag54:118

--packers and stockyards act regulations revised Ag54:141

--Beefmasters recognized as breed Ag54:169

--horse and mule census Jan. 1, 1954 S54:8

--Khaphra beetle found in three states S54:132

--progress reports on dwarfism S54:190

--getting rid of surpluses O54:66

--meat packers promote beef O54:111

--announces 1954 yearbook of agriculture O54:166

--heavy breeds least tolerant to radiated heat O54:175

--announces wool selling policy N54:14

--world consumption trends in meat N54:25

--hybrid vigor for sorghums, il N54:110

--McIlvain named supt of Woodward station N54:160

--making range management pay, Don Davis, il D54:24

--how to ration protein with salt, reprinted from agricultural-research, il D54:74

--new vaccine now available to stockmen D54:90

--new highs in meat production and consumption D54:102

--operation screwworm, il Ja55:38

--sagebrush control means "new" range Ja55:50

--promising new mosquito repellents Ja55:132

--cattle grub controlled with experimental insecticide spray Ja55:163

--Colombia breeders buying U. S. cattle Ja55:189

--a test for anaplasmosis F55:96

--incentive payments on pulled wool explained F55:129

--screwworm fly eradicated from west Indian island F55:129

--agricultural attaches F55:130

--range responds to fertilizer F55:134

--twin beef calves wanted F55:137

--new publications F55:154

--wheat poisoning in cattle, Frank H. Sims; H. R. Crookshank, il F55:155

--parity ratio stays at 86 F55:159

--the Am cattleman and the Am way, Earl L. Butz F55:160

--annl livestock and poultry inventory Jan. 1, 1955 Mr55:9

--changes in stock yards market news personnel Mr55:163

--losses from internal parasites Ap55:8

--U. S. cattle to improve South Am herds, Grover J. Sims My55:29

--beef cattle selection based on performance, J. C. Miller, il My55:32

--Shultz heads Fort Worth livestock market institute My55:47

--how much meat in 1955? My55:48

--hyperkeratosis no longer a disease threat My55:76

--new wool program--how it works My55:77

--crop oats support rates to be for county where produced My55:97

--reports on wind erosion My55:100

--Texas farm population down, W. G. Adkins; R. L. Skrabanek My55:138

--animal agriculture dominates farm scene My55:144

UNITED STATES DEPT OF HEALTH,**EDUCATION AND WELFARE**

--keep leptospirosis infected animals isolated O54:64

UNITED STATES FISH AND WILDLIFE SERVICE

--photo of a mole, old bulldozer, Robert M. Hyatt, il N54:53

--photo of Diablo Mountains and Bighorn ram D54:25

UNITED STATES FOREST SERVICE

--photo Bighorn ram and ewe D54:25

UNITED STATES QUARTERMASTER CORPS

--Pollock honored by S54:62

UNITED STATES SOUTHERN GREAT PLAINS FIELD STATION

--animal husbandman joins Woodward station staff O54:106

--feeding guar beans to steer calves on grass, E. H. McIlvain, il O54:148

--McIlvain named supt of Woodward station N54:160

UNIVERSAL MILLS

--George Addington joins staff Mr55:111

UNIVERSITY OF HOUSTON

--demonstration farm for Ag54:66

UNIVERSITY OF ILLINOIS AGRICULTURAL EXPERIMENT STATION

--value of high protein corn Ja55:102

UNIVERSITY OF WISCONSIN

--caution in spraying calves S54:134

--beef more tender after fattening O54:70

--breed cows late in heat period O54:97

--loss of blood gives resistance to parasite O54:112

UNIVERSITY OF WYOMING

--to control cattle grubs Ap55:144

VAIL, SID

--pic, mounted on Kid Bars S54:44

VALUERDE, LUIS, Jr

--pic, Guayaquil, Ecuador Je54:28

VAN WINKLE, MILO

--men of the range, Ross Santee N54:51

VANCE, J. WILL

--pic, central Texas Polled Hereford tour Jy54:31

--pic, west Texas Hereford assn tour Ag54:42

VANCE, MRS. JOHN W.

--pic, west Texas Hereford assn tour Ag54:42

VANDEBURG, J. S.

--pic, Pickens county cowpunchers assn's annl meeting Jy54:24

VENABLE, E. R.

--pic, XIT cowhands meet, Mary W. Clarke, il O54:38

VENEZUELA

--5,000 Brahman to My55:113

VERNOR, Z. T. (Camp Wood, Texas)

--obit F55:126

VETERINARY MEDICINE

--antibiotic controls sheep pinkeye Jy54:38

--vaccine for blue tongue Jy54:72

--new vaccine for rabies in cattle Ag54:147

--vaccine for blue tongue O54:78

--hemorrhagic enterotoxemia N54:181

--new vaccine now available to stockmen D54:90

--phenothiazine in the control of internal parasites of beef cattle, D. C. Boughton; R. J. Bacon Ja55:160

VICKERS, PAUL T.

--a report from the valley Ja55:164

--rancher converts "duster" into artesian well Ap55:141

--Fort Worth man angels Rio Grande valley show My55:91

VICTORIA, SEBASTINA MENDEZ

--pic with his herd of Am Brahman cattle at Agua Dulce, Panama My55:25

VOLKMAN, W. M.

--pic, Pickens county cowpunchers assn's annl meeting Jy54:24

VOLKMAN, WILLIAM G. Jr

--pic, dir Am Aberdeen-Angus assn Ja55:168

WADDOCK, PRUDENCE

--they're looking forward to a "black" future, il Je54:70

WADE, E. H. (Fort Worth, Texas)

--obit F55:125

WAGONER, PAUL

--pic, with Pretty Boy Pokey Je54:96

WAGONER, ROBERT

--pic, palmetto polo, Joe Heflin Smith, il S54:48, 49

WAGGONER RANCH

--hosts to TSCRA officers and insps, il Ag54:143

WALKER, A. H.

--"keys" to range recovery Je54:52

WALKER, EARL C.

--Walker and Parker join Burrus feed mills staff S54:167

WALKER, HOOT

--pic, receiving silver platter from Earl Burch S54:102

WALKER, JACK B.

--pic, pres Osage county cattlemen's assn Ag54:35

WALKER, LOYAN H.

--pic, to direct Texas beef council S54:177

--selling beef to Texans O54:32

WALL, GEORGE

--pic, Pickens county cowpunchers assn's annl meeting Jy54:24

WALLACE, JOE (Clairmont, Texas)

--obit Ag54:114

WALLER, CLAY A. (Weatherford, Texas)

--obit D54:73

WALLOP, OLIVER M.

--pic, board of dirs Am Hereford assn Ag54:31

WARBURTON, JOSEPH (Bloomington, Texas)

--obit My55:66

WARD, HARDY

--pic, coastal Bermuda grass comes to Texas, Roger B. Letz, il Ap55:32

WARD, MRS. E. M. (Sealy, Texas)

--obit Ag54:108

WARDEN, GUY

--pic, natl western champs F55:159

WARDLOW, C. B. "DUTCH" (Del Rio, Texas)

--obit D54:71

WARE, CHARLES

--pic, life along the Canadian, Joe Heflin Smith, il Jy54:30

WARE, NEAL

--pic, life along the Canadian, Joe Heflin Smith, il Jy54:30

WARE, MRS. NEAL

--pic, life along the Canadian, Joe Heflin Smith, il Jy54:30

WARREN, WILDA

--tales of the range, Henry C. Harding as told to Guy Harding Goodman and Wilda Warren D54:58; F55:19; My55:126

WASHINGTON ROUNDUP, THE (column)

--Je54:14; Jy54:19; Ag54:22; S54:21; O54:24; N54:22; D54:14; Ja55:26; F55:10; Mr55:27; Ap55:10; My55:16

WATER CONSERVATION

--and development Ja55:12

--Navajo Indians hit the warpath for water, Pierce Shannon, il Mr55:34

--the water problem Ap55:128

WATERS, NEWELL

--heads Zebu breeders Mr55:180

WATKINS, MRS. MARGARET SUNDAY

--pic, Hudgins ranch is pioneer exhibitor of Brahman cattle, il Ja55:167

WATSON, IVAN

--winter feeding of range livestock Ja55:196

WATSON, MORRIS, Jr

--pic, champ boys' cutting horse contest, natl high school rodeo S54:185

WATT, BILL

--pic, with TR Zato Heir 27 Ja55:120

WATT, W. R.

--Fort Worth, il Ja55:33

WATTS, O. L.

--pic, member Odessa chuck wagon gang O54:34

WEAVER, ED

--pic, the battle with huisache D54:23

WEAVER, GENE

--pic, Comanche, Florence Fenley, il S54:42

WEAVER, MRS. HELEN HARRIS (San Angelo, Texas)

--obit Ap55:58

WEAVER, JIM

--pic, Comanche, Florence Fenley, il S54:42

WEAVER, JIMMIE LOU

--pic, Comanche, Florence Fenley, il S54:42

WEBER, BILLY

--men of the range, Ross Santee N54:77

WEDDELL, MRS. SADIE (San Angelo, Texas)

--obit O54:108

WEDDLE, FERRIS

--Mexican iron, il Je54:120

WEEDON, JOE

--pic, central Texas Polled Hereford tour Jy54:31

WEEDON, MRS. JOE

--pic, central Texas Polled Hereford tour Jy54:31

WEINHEIMER, HERMAN J. (Stonewall, Texas)

--obit Je54:49

WELCH, BUSTER

--pic, on Marion's Girl D54:124

WELDER, LEO

--pic, Texas beef council program extended Ap55:108

WENTWORTH, EDWARD N.

--pic, retires after 35 years with Armour & Co. O54:153

WERTZ, SESSIA

--pic, cook at chuck wagon Mr55:33

WEST TEXAS BANKERS

--hosts at meeting for stockmen N54:99

WEST TEXAS HEREFORD ASSN

--west Texas proud of its Herefords, Frank Reeves, il Ag54:41

--Mrs. Doretha Griffin pres My55:85

WESTMORELAND, LUDIA (Bastrop, La.)

--obit F55:126

WICHITA MOUNTAINS WILDLIFE REFUGE

—sale N54:157

WILKENS, R. L.

—pic, sheriff's posses and riding clubs organize,

Frank Reeves il S54:35

WILLIAMS, E. G. C.

—hedge fever, il Je54:117

WILLIAMS, HARVE (Turkey, Texas)

—obit Mr55:135

WILLIAMS, J. C.; JONES, J. H.

—peanut hulls and prairie hay in rations for fat-

tening steers S54:117

WILLIAMS, JOHN S.

—pic, coastal Bermuda grass comes to Texas,

Roger B. Letz, il Ap55:30

WILLIAMS, T. D.

—pic, 1st vice-pres Texas Aberdeen-Angus assn

Mr55:165

WILMOT, JENNIE S.

—pic, judge Texas beef council recipe contest

Mr55:184

WILSON, BILL

—pic, Pickens county cowpunchers assn's annl

meeting Jy54:23, 24

WILSON, CLINTON (Dumas, Texas)

—obit Ag54:104

WILSON, RAY

—pic, TSCRA conv Ap55:27

WILSON, MRS. WALTER R. (Denton, Texas)

—obit N54:97

WIMBERLEY, ISAAC JACKSON (Llano, Texas)

—obit O54:107

WINCHESTER, SIDNEY

—pic, west Texas Hereford assn tour Ag54:41

WINDMILLS

—sentinel of the plains, Dayton Kelley, il

Ag54:133

—pic, lower Rita Blanco, XIT ranch Ja55:31

WINSHIP, GLENN

—Texans purchase 90,000-acre Colorado ranch

Je54:82

WINSLOW, MICKEY

—pic, barrel race champ, Texas high school rodeo

Ag54:96

—pic, all-around cowgirl and champ barrel racer,

natl high school rodeo S54:185

WISCONSIN ALUMNI RESEARCH

FOUNDATION

—bloat, a new solution?, il Ag54:58

WOLF, SUE

—pic, horse handling science, Monte Foreman, il

Ja55:156

WOOD, L. R.

—pic, registered and comm Angus breeder Je54:24

WOODHOUSE, LAWRENCE (Weatherford,

Texas)

—obit N54:96

WOOL

—wool production and income Ap55:7

—new wool program—how it works My55:77

WORRELL, W. H.

—elected head of cutting horse assn Mr55:176

WORTHINGTON, JACKIE

—named 1954 world champ cowgirl My55:40

WRIGHT, W. W.

—pic, west Texas Hereford assn tour Ag54:42

WYCHE, T. G.

—pic, TSCRA conv Ap55:26

WYCHE, MRS. T. G.

—pic, TSCRA conv Ap55:26

WYLIE, C. N.

—pic, XIT cowhands meet, Mary W. Clarke, il

O54:39

WYNNE, BEDFORD

—pic, TSCRA conv Ap55:26

WYOMING EXPERIMENT STATION

—tips on controlling horn flies O54:82

WYOMING STOCK GROWERS ASSN

—annl meeting Jy54:76

X-DISEASE

—hyperkeratosis of cattle, il Je54:30

—hyperkeratosis losses, Stephen H. Hart O54:134

—removing mystery from X-disease N54:44

—no longer a disease threat My55:76

XIT RANCH

—XIT cowhands meet, Mrs. Mary W. Clarke, il

O54:38

—wells of springing water, Mrs. R. L. Duke, il

Ja55:31

XIT RANGERS

—meet F55:100

YEARBOOK OF AGRICULTURE

—USDA O54:166

YOUNG, D'AUN

—pic, barrel race champ, New Mexico high school

rodeo Ag54:148

YOUNG, JOHN A. Sr (Megargel, Texas)

—obit N54:97

YOUNG, ROY V.

—new pres Am Appaloosa assn Ja55:131

YOUNG, VERNON A.; MERRILL, LEO B.

—grazing single classes of livestock in combina-

tion with several classes F55:82

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